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Every Seed A Sturdy Plant

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PORTER-WALTON'S
SEED AND NURSERY BOOK OF 1923

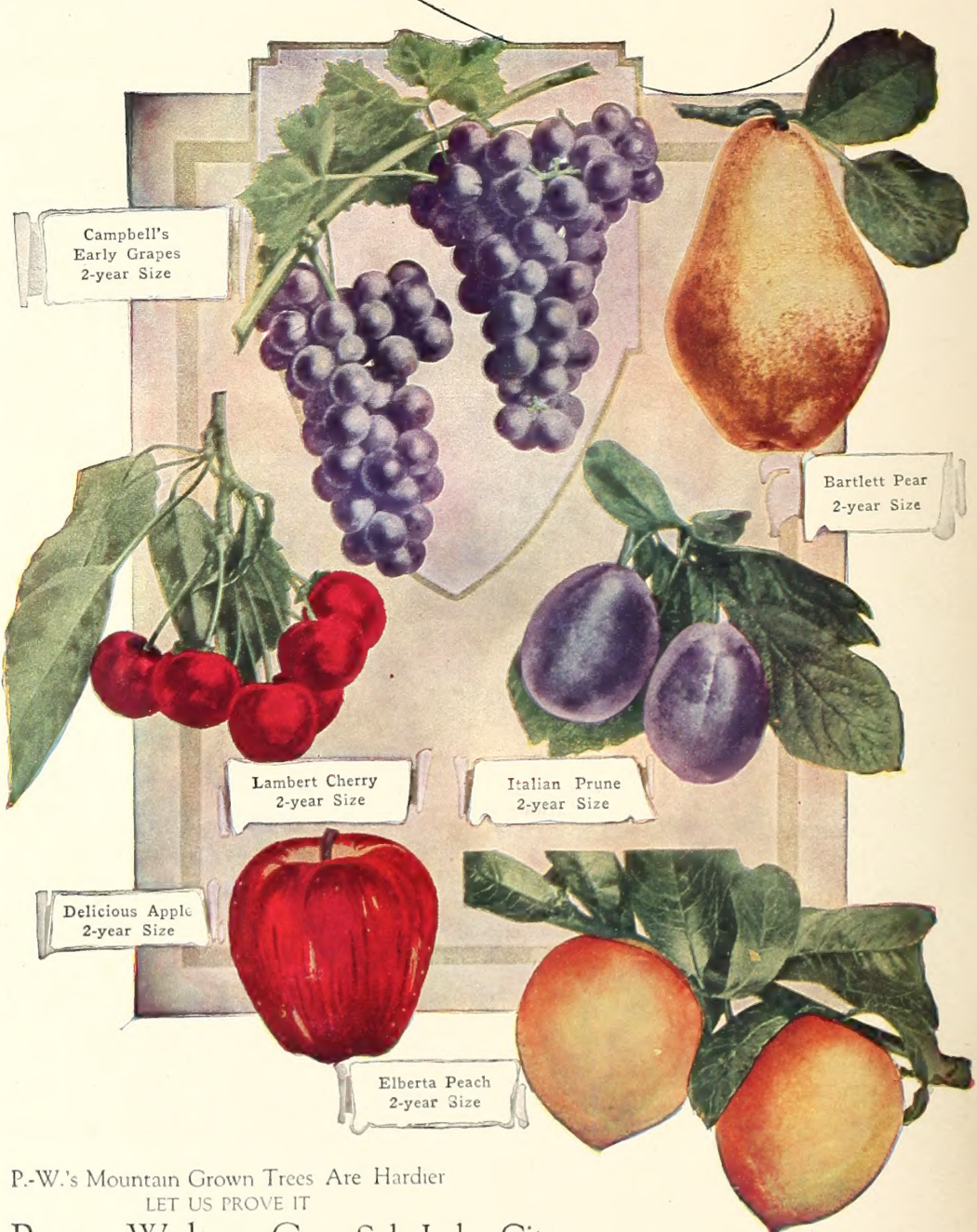
Onion Fields At Our Centerville Seed Farm & Trial Grounds
P-W's Spanish Onions
Average Yield 1500 bu. Per Acre Bulbs Weighing 24 Ounces Each and 4½ Inches In Diameter are Common

Porter-Walton Co.
Seed & Nursery Specialists
·SALT LAKE CITY UTAH·

"THE BIG SIX" FOR $4.00
FRUIT COLLECTION

CONSISTS OF ONE EACH OF THESE LEADING VARIETIES

Delivered All Charges Prepaid, to Your Express or Post Office
FOR $4.00


Campbell's Early Grapes 2-year Size
Bartlett Pear 2-year Size
Lambert Cherry 2-year Size
Italian Prune 2-year Size
Delicious Apple 2-year Size
Elberta Peach 2-year Size

P.-W.'s Mountain Grown Trees Are Hardier
LET US PROVE IT

Porter-Walton Co., Salt Lake City

THE PRICES IN THIS CATALOG CANCEL ALL PREVIOUS PRICES.

IMPORTANT GENERAL INFORMATION

YOU TAKE NO CHANCES in sending money with order. Inquire of any Bank, Trust Company or Mercantile Agency as to our responsibility. You may remit at our risk by Post Office Money Order, Express Order, Bank Draft, Check, Cash or Stamps. Always register your letter when you send cash.

OUR TERMS ARE STRICTLY CASH WITH ORDER. All our catalog prices are made on a cash basis and we have no facilities for credit accounting.

C. O. D. SHIPMENTS can be made only where 25 per cent of the amount is sent with the order. **We decline to ship Plants, Shrubs, Trees or any other perishable items C. O. D.**

ORDERS FOR DELIVERY AT LATER DATE can be booked only providing at least one-fourth of the purchase price accompanies the order. Shipment cannot be made until payment is made in full. Public institutions are the only exceptions to this rule.

EVERY ORDER IS FILLED WITHIN A DAY OR TWO AFTER ARRIVAL, or is acknowledged if, under rare circumstances, its shipment is likely to be delayed. If goods, notification of shipment or acknowledgement of order is not received after a reasonable lapse of time, please notify us at once and send copy of order. **FREE AND SAFE DELIVERY GUARANTEED ON SEEDS AND BULBS** at prices quoted in this catalog, except where otherwise noted. This places all our customers throughout the West as near to us as their Express or Post Office, and is a big step in advance in the way of service.

TREES AND SEEDS IN QUANTITY, POULTRY SUPPLIES, etc., quoted at "Not Prepaid" prices are F. O. B. Salt Lake City, and purchasers pay expense or freight, express or parcel post. If wanted by parcel post, always send postage with the order. See the table below to ascertain the amount or charges.

PARCEL POST RULES, ETC.

The Maximum Weight allowable in local and to the First and Second zones is 70 pounds, and to all other zones is 50 pounds.

The Size of the Parcel must not exceed feet (84 inches) for combined length and girth.

Insurance on Parcel Post Packages against loss may now be effected by us for value up to $25.00 for 5 cents and up to $50.00 for 10 cents if customer so requests and remits for same.

We strongly advise customers living in towns removed from the railway to have insurance placed on all orders.

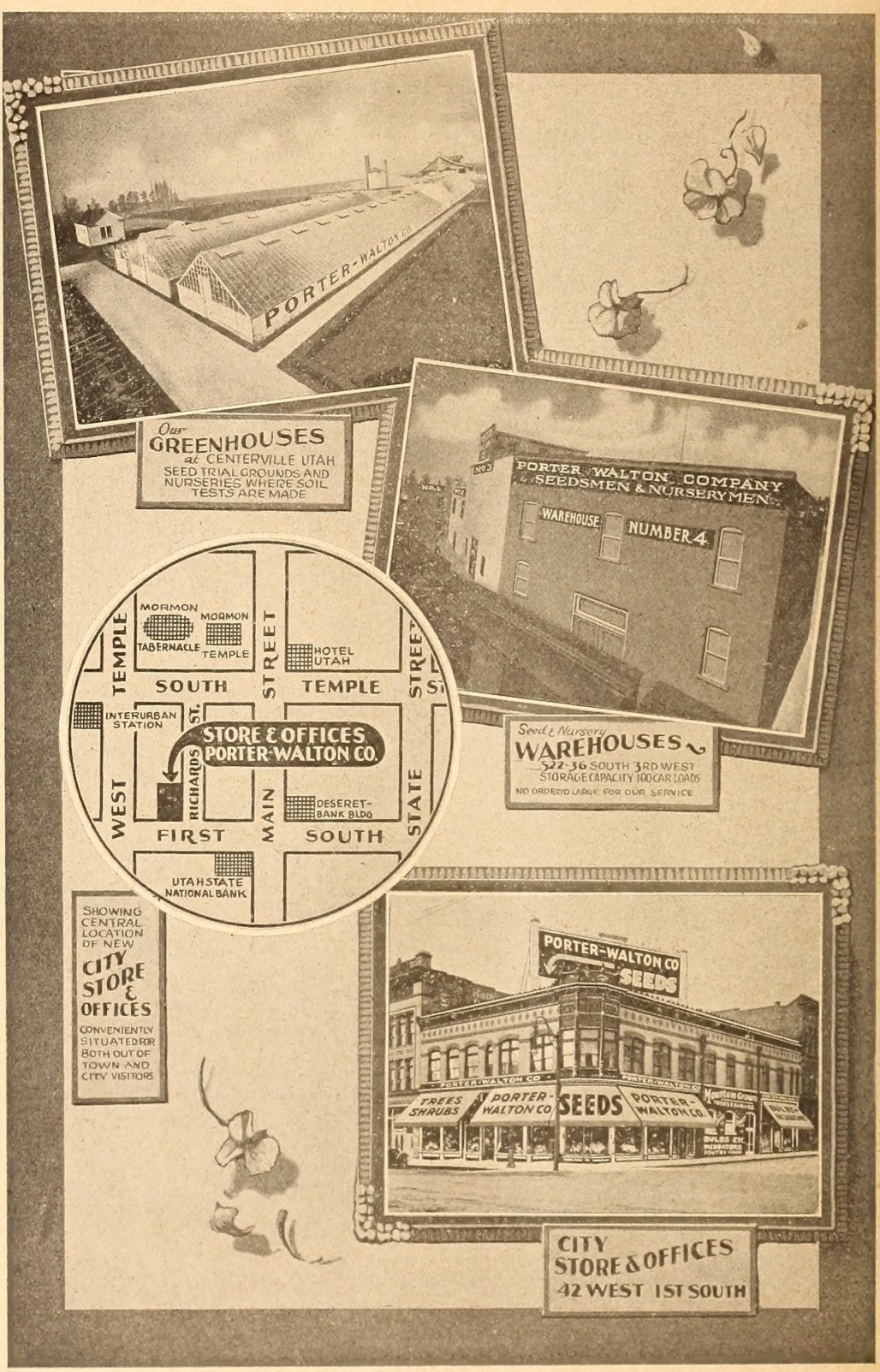
PARCEL POST RATES	First lb	Each Additional lb
First Zone, within 50 miles	5c	1c
Second Zone, within 50 to 150 miles	5c	1c
Third Zone, within 150 to 300 miles	6c	2c
Fourth Zone, within 300 to 600 miles	7c	4c
Fifth Zone, within 600 to 1,000 miles	8c	6c
Sixth Zone, within 1000 to 1400 miles	9c	8c
Seventh Zone, within 1400 to 1800 miles	11c	10c
Eighth Zone, all over 1800 miles	12c	12c

Important: In remitting postage, always add it to the foot of the order as a separate item; this will help to avoid mistakes.

SPECIAL NOTICE

While the prices herein quoted are those prevailing at the time of going to press and will be adhered to as nearly as possible during the season, yet large users of Garden or Farm Seeds or any other commodity listed will be best served by getting our Special "Blue List" for prices on quantities.

Not content with the best cleaning and grading that can be done by the most up-to-date machinery yet devised, the "finishing touches" on such seeds as Peas, Beans, Corn, etc., are made by "expert hands," as shown in the above cut. In this manner cracked or deformed kernels and berries which machinery will not take out are removed. **Just another detail that makes "P.-W.'s STANDARDS" different from the ordinary.**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CITY STORE & OFFICES
42 WEST 1ST SOUTH

A Typical Suburban Garden

P.-W.'S HOME GARDEN COLLECTIONS

Contains seeds of only true and tried varieties, most carefully selected to give a continuous supply of vegetables of exclusively high quality throughout the season. **We cannot allow any alterations,** because these collections are put up in quantities all ready to ship before the commencement of our busy season, thus enabling us to sell them at very much less than the articles would cost separately.

SMALL CITY GARDEN COLLECTION. For 50 Cents, Postpaid.

1 pkt. Beet
1 pkt. Cabbage
1 pkt. Carrot
1 pkt. Cucumber
1 pkt. Lettuce
1 pkt. Peas
1 pkt. Muskmelon
1 pkt. Watermelon
1 pkt. Onion
1 pkt. Parsley
1 pkt. Parsnip
1 pkt. Radish, long
1 pkt. Radish, round
1 pkt. Tomato
1 pkt. Turnip
1 pkt. Swiss Chard

SUBURBAN GARDEN COLLECTION. For $3.50, Postpaid.

1 lb. Peas, early
½ lb. Peas, late
1 lb. Beans, string
½ lb. Beans, wax
1 oz. Beets, table
1 pkt. Brussels Sprouts
1 pkt. Cabbage, early
1 pkt. Cabbage, late
1 pkt. Cauliflower
1 oz. Carrots, table
1 pkt. Celery
2 pkt. Sweet Corn, early
2 pkt. Sweet Corn, late
1 pkt. Cucumber
1 pkt. Cress
1 pkt. Egg Plant
1 pkt. Kohl Rabi
1 pkt. Kale, Tall Scotch
1 pkt. Leek
1 oz. Lettuce, head
1 pkt. Lettuce, curled
1 pkt. Muskmelon
1 pkt. Watermelon
1 oz. Onion, white
1 oz. Onion, yellow
1 pkt. Parsley
1 oz. Parsnip
1 pkt. Pepper
1 pkt. Pumpkin
1 oz. Radish, long
2 oz. Radish, turnip
1 pkt. Salsify
1 oz. Spinach
1 pkt. Squash
1 pkt. Tomato, early
1 pkt. Tomato, late
1 oz. Turnip, purple top
1 pkt. Sage
1 pkt. Swiss Chard

BIG DOLLAR VEGETABLE COLLECTION

Think of it! 26 Packets for $1.00, Postpaid.

This exceptional offer just cuts the regular Catalog prices in half and is offered as a special inducement for a "Trial Order" to those who have never grown P.-W.'s Mountain Grown Seeds.

True to the exacting Porter-Walton standard of producing seeds of the highest vigor, germination and productiveness, we have no hesitancy in saying that this collection, when results are considered, is worth many times the price asked for it at Catalog prices.

We know every order means a satisfied, permanent customer; hence this bargain.

1 pkt. Peas, early
1 pkt. Peas, late
1 pkt. Beans, string
1 pkt. Beans, wax
1 pkt. Beet
1 pkt. Cabbage
1 pkt. Cauliflower
1 pkt. Carrot
1 pkt. Celery
1 pkt. Sweet Corn
1 pkt. Cucumber
1 pkt. Cress
1 pkt. Egg Plant
1 pkt. Kohl Rabi
1 pkt. Leek
1 pkt. Lettuce
1 pkt. Muskmelon
1 pkt. Watermelon
1 pkt. Onion
1 pkt. Parsley
1 pkt. Pumpkin
1 pkt. Turnip
1 pkt. Radish, long
1 pkt. Radish, round
1 pkt. Tomato
1 pkt. Pepper

The above 26 well filled packets for $1.00, Prepaid.

VEGETABLE SEEDS

Selected Varieties, Superior Strains, Critically Grown and THOROUGHLY TESTED

Sold on Positive Money-Back Guarantee

If such a rare circumstance should happen that your crop failed **through the fault of the seed purchased from us,** we will refill the order or refund the entire purchase price of the seeds in question. No seedsman in the world will do more, and most of them would do nothing after seed is accepted and planted. Of course, we cannot guarantee or assume responsibility for the crop, as we cannot control the weather, soils, moisture, pests and other agents which make for success or failure.

The thing we make not only our business, but our religion as well, is to furnish our customers with the **right kind of fresh, vigorous, acclimated seeds,** the important beginning of all success in gardening.

About Prices

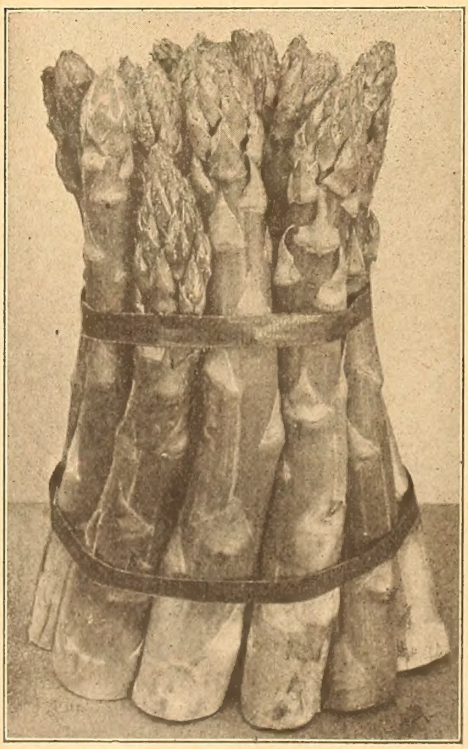
All the prices on Vegetable Seeds listed herein are prepaid by us to your express or post-office, unless otherwise specified. **You are, therefore, as close to us as your Post Office.** These prices are as reasonable as we can sell these seeds in the quantities specified and will be adhered to during the season or as long as the stocks last. **To all who buy in larger lots than those listed here, please ask for our Special "BLUE LIST" for prices.** It costs us less accordingly to handle large orders and you are entitled to the saving.

ARTICHOKE

Artichokes are cultivated for the edible bud that resembles the giant thistle. The plants want a very rich soil and plenty of moisture. The seed should be planted in boxes in February and transplanted in the field about the latter part of March or April. With slight winter protection they will remain in bearing three or four years.

Large Green Globe—The most popular variety, buds large, globular, deep green, with a slight tint of purple at base. **Pkt., 10c; oz., 75c; ¼ lb., $2.15; 1 lb., $7.50.**

Jerusalem (Tuberous Rooted)—For hog pasture. When once established it is hard to kill out. **lb., 20c; 10 lb., $1.50, postpaid. Not prepaid, 100 lb., $6.00.**



Conover's Colossal

ASPARAGUS

Sow early in the spring, in a bed of light, rich, well manured soil, in drills one foot apart. When the plants become withered, cut them down and spread well rotted stable manure two inches deep over the bed. Let the plants remain in the seed bed until they are about to grow, early in the spring. For private garden use, set in rows two feet apart and the plants about a foot apart in the row, with crowns four inches below the surface, and spread the roots. For field culture, the rows should be six feet apart and two feet apart in the rows. Before winter cover the transplanted beds with about four inches of manure and fork it in the next spring, being careful not to injure the roots. In autumn cut the ripe tops and burn the refuse. One pound of good fresh seed will produce plants sufficient for an acre, and an ounce of seed will sow a fifty-foot drill.

Conover's Colossal—The standard variety for all purposes, especially for canning. It makes large, thick, wide, tender shoots of very greenish-white color, and we recommend it as the best variety for general cultivation that has come under our observation. **Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., $1.00. Postpaid.**

Other Good Varieties

Barr Mammoth—Large and tender.
Columbian Mammoth White—Large, white.
Palmetto—Light green.
Any of above, Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., $1.00. Postpaid.

(For Asparagus Roots See Page 25)

BEAN-DWARF OR BUSH

One Pound to 100 Feet of Drill; 60 Pounds per Acre.

Culture—Beans are somewhat tender, but it often pays to take some risks. Plant in warm, loamy soil at the beginning of settled, warm weather in spring, and at intervals for succession until August. Rows may be made two feet apart, and the beans planted a few inches apart in the drills, or three or four beans in hills, six to eight inches apart. Cultivate and hoe frequently.

Wardell's Kidney Wax Bean.

Early, long, flat pods, good quality, good shipper, the standard wax variety with market gardeners in this vicinity. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 3 lb., $1.00. Not prepaid, 100 lb., $20.00.**

New Pencil Pod Bean

This variety is our selection as the best for the home garden or for nearby markets.

It is extremely productive, bearing magnificent straight, pencil-shaped pods, six or seven inches in length, of a rich, golden yellow color; beautifully rounded, meaty, deeply saddle-backed, fresh, brittle, solid and entirely stringless and of mild, sweet flavor. **Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 3 lb., $1.10, Postpaid. Not prepaid, 100 lb., $20.00.**

Old Homestead or Kentucky Wonder Pole Bean

The pods are very thick, meaty and deeply saddle-backed and entirely stringless. Bright green in color. The best variety of this class for all purposes. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c, postpaid. Not prepaid, 100 lb., $20.00.**

Burpee's Improved Bush Lima

Our trials show this to be the earliest maturing of all the large-seeded limas, and it is the equal or better in all the other qualifications that go to make up a desirable bean either for the home garden or for market. This variety is decidedly the best for all purposes of the large limas. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c, postpaid. Not prepaid, 100 lb., $20.00.**

Inoculate beans with Farmogerm and greatly increase the yield. See Page 64 for prices.

Other Good Varieties Beans (Dwarf and Bush)

Green Podded Varieties

Postpaid Prices	Pkt.	½ lb.	1 lb.	3 lb.
Burpee's Stringless	10c	20c	35c	1.00
P.-W.'s Early Red Valentine	10c	20c	35c	1.00
Dwarf Horticultural	10c	20c	35c	1.00
Round Yellow Six Weeks	10c	20c	35c	1.00
Refugee	10c	20c	35c	1.00

Wax or Yellow Podded Varieties

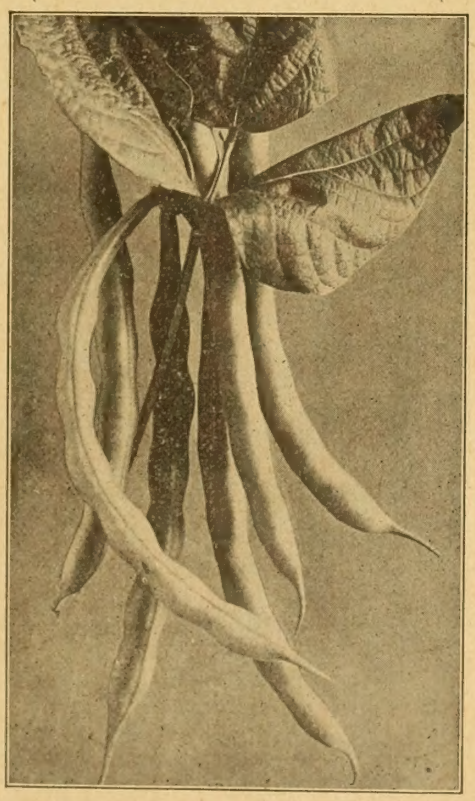
Postpaid Prices	Pkt.	½ lb.	1 lb.	3 lb.
Burpee's Butter Wax	10c	20c	35c	1.00
Challenge Dwarf Black Wax	10c	20c	35c	1.00
Davis White Kidney Wax	10c	20c	35c	1.00
Improved Golden Wax	10c	20c	35c	1.00
Utah White	10c	15c	25c	.70
White Navy	10c	15c	20c	.50
Tepary Dry Farm Bean	10c	15c	20c	.50
Broad Windsor	10c	15c	25c	.70
Pink Eye	10c	15c	20c	.50

Bush Lima Beans

Postpaid Prices	Pkt.	½ lb.	1 lb.	3 lb.
Burpee's Bush Lima	10c	20c	35c	1.00
Fordhook Bush Lima	10c	20c	35c	1.00
Hendelshon's Bush Lima	10c	20c	35c	1.00

The Longfellow Bean

An extra early, round, green-podded bush bean of fine quality. Long, round, green pods always solid, tender and of delicious flavor. An ideal snap bean, producing a fine crop of round, straight, solid, fleshy pods, averaging 6½ inches long, wonderfully tender and brittle, without a trace of tough interlining and having no strings when broken excepting when the pods are quite old. It is extra early, the pods being fit to pick four days in advance of any other variety of approximate size and merit. In our estimation, the best for general use of the green pods. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 3 lb., $1.00, postpaid. Not prepaid, 100 lb., $20.00.**



Longfellow Bush Bean

Beans (Pole or Running)

Postpaid Prices	Pkt.	½ lb.	1 lb.	3 lb.
Lazy Wife	10c	20c	35c	1.00
Pole Lima	10c	20c	35c	1.00
Scarlet Runner	10c	30c	55c	1.50

BEET-TABLE VARIETIES

One Ounce 50 Feet; 4/6 Pound per Acre.

The soil best suited for beet culture is that which is rather light and well enriched. Sow in drills one foot apart and one inch deep, as early as the ground can be worked. When the young plants are two or three inches high, thin to five or six inches. The young plants that are pulled out make delicious "greens," considered by many superior even to spinach. It is a common practice to plant the seed extra thick to assure an abundance of these tender, fresh plants to use for this purpose. Sowings should be made for succession at least one a month up to the first of July, then making a large sowing to produce a supply of well grown roots for winter use.

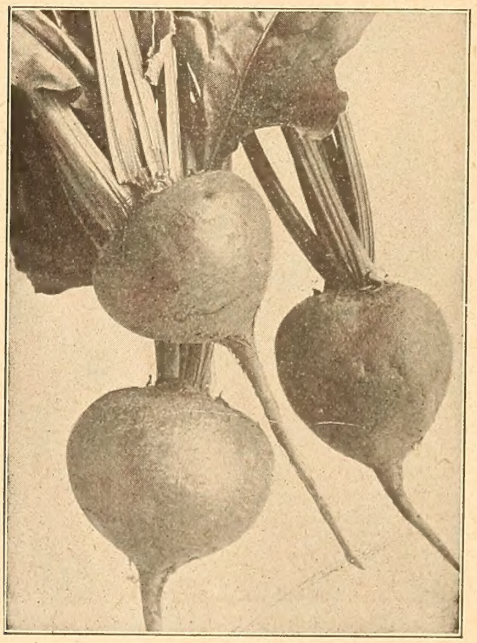
After repeated comparative tests we recommend Crosby's Early Egyptian as the best first early for market gardeners. It is just as early as the old Extra Early Flat Egyptian, larger, of much finer texture and better color and for open ground culture much to be preferred. For all purposes and general planting the Detroit Dark Red is still the leader, although there is a probability that this old favorite may be outclassed by the "New Crimson Globe."

Crosby's Egyptian

This is more globular in shape than the Extra Early Egyptian, and one of the best known and most popular varieties. It is very early and of fine quality. Bright red with clear vermillion flesh. Our choice as a first early. **Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., $1.00, postpaid.**

Detroit Dark Red

Extended experience has shown this variety to be the best deep red turnip beet, not only for market gardeners, but for the home garden. Its splendid shape and color of the roots make it popular with everyone who plants it. Tops small, upright growing, so that the rows may be close together; leaf stems and vines dark red, blades green; roots globular or ovoid, peculiarly smooth; color of skin dark blood red, flesh bright red zoned with a lighter shade, very crisp, tender and sweet, and remaining so for a long time. We believe that the stock of this variety which we offer will produce a crop more uniform in shape, color and quality than any other beet seed obtainable. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., $1.25, postpaid.**



Detroit Dark Red

New Crimson Globe

A perfect beet in all respects; brilliant crimson in color, globe-shaped, with a very smooth skin, and an exceedingly small tap-root; fine grained, sweet in flavor and tender at all times. The foliage is small, admitting of close planting. Not only a market gardener's sort, but one of the best for the kitchen garden. Very close to the Detroit Dark Red, apparently a trifle earlier. **Pkt., 5c; oz., 15c; ¼ lb., 45c; 1 lb., $1.50, postpaid.**

Other Good Varieties

Extra Early Egyptian—Popular early forcing or market beet.

Eclipse—Almost as early as the Egyptian, but of much finer quality.

Improved Blood Turnip—Very regular, a deep blood red, exceedingly sweet.

Half Long Blood—Rich, glossy crimson.

Early Model—Globe-shaped, early, deep blood red.

Any of the above, Pkt., 5c; oz., 10c; ¼ lb., 35c 1 lb., $1.00, postpaid.

BEET—FOR SUGAR

When planted for sugar crop, from six to eight pounds of seed will be required for an acre. Seed may be sown in drills twenty to thirty inches apart. When beets are up two or three inches high, they should be thinned out so as to stand from six to eight inches apart.

Klein Wenzleben—This variety is the best in cultivation, not largest but richest in saccharine.

Vilmorin's Improved—A little smaller than Klein Wenzleben. A variety for sugar factories.

Lane's Improved Sugar—A well-known variety, valuable for feeding.

Any of the above, Pkt., 5c; ¼ lb., 25c; 1 lb., 75c; 10 lb., $7.00. Ask for special prices on quantities.

BRUSSEL SPROUTS

The plants are very hardy and grow from two to three feet high, bearing a large mass of leaves at the top. The sides of the main stem are covered with three or four dozen small cabbage heads which are broken off and cooked the same as cabbage.

Culture—Sow and treat the same as cabbage, which see for cultural directions.

Odense Market—Produces an abundant crop of firm, well formed sprouts, thickly set around. **Pkt., 10c; oz., 30c; ¼ lb., 90c; 1 lb., $3.00, postpaid.**

BEETS FOR STOCK FEEDING

The tremendous importance of stock beets to every stock and dairy farmer in America should be shouted from the housetops. The farmer who is not awake to the money making possibilities of this crop has overlooked one of the most profitable crops known to agriculture. Just think of it: **A yield of from 20 to 60 tons per acre** and the **feeding value, pound for pound, almost equal to grain**; conservatively figured, just the average yield, therefor, would be the equivalent of a 1,000-bushel yield of oats, as far as feed value is concerned.

Culture—Sow seed in drills 24 to 30 inches apart and thin to about nine inches in row. Requires 8 to 10 pounds of seed per acre.

A Field of P.-W.'s Giant Sludstrup Half Sugar Mangel. Without doubt the best stock beet in the world

P.-W.'s Giant Sludstrup

Wonderful yielder, easily harvested and richest in food value.

Imported by us from Denmark. After very thorough comparative tests we do not hesitate to place this wonderful variety at the head of the list. It grows cylindrical in shape and largely out of the ground; easily harvested, and its shape prevents it being broken in handling. Crops as high as fifty tons to the acre are not unusual. Color of skin reddish yellow above the ground and light rose tint underneath. Flesh firm, crisp and very rich in sugar. Extremely desirable for stock feeding. No other crop can match it. **Pkt., 5c; ¼ lb., 20c; 1 lb., 60c; 10 lb., $5.00, prepaid.**

Improved Mammoth Long Red Mangel

This is truly a mammoth, a single root often weighing twenty pounds. The extra large, long roots are blood red in color and very nutritious. Enormously productive, yielding under favorable conditions, as high as 70 tons per acre. Out stock of improved Mammoth Long Red Mangel is a selection and the roots are very large, uniformly straight and well formed; color, deep red; roots straight, tops small. **Pkt., 5c; ¼ lb., 20c; 1 lb., 60c; 10 lb., $5.00, prepaid.**

Giant Half-Sugar White Mangel

This magnificent half-sugar beet, while giving nearly as large a yield of easily grown and harvested roots as a crop of Mammoth Long Red Mangels, supplies a food of very much higher nutritive value, the roots for feeding purposes being really more valuable, pound for pound, than those of the very best strains of sugar beet, and the yield under equally favorable conditions is more than double. The roots grow partly out of the ground and because of this and their shape the crop can be harvested and stored at less expense. We are certain that everyone who plants this variety and grows it with care will be much pleased. **Pkt., 5c; ¼ lb., 20c; 1 lb., 60c; 10 lb., $5.00, prepaid.**

Other Good Varieties

Danish Red Giant Eckendorf—Of cylindrical form, growing above the surface; heavy cropper.

Danish Taaroje—Ovoid shape, reddish yellow. Grows more above the surface than P.-W.'s Giant Sludstrup. Preferred for very heavy soil.

Golden Tankard—Flesh yellow, differing from others; sheep prefer it; a heavy yielder.

Royal Giant or Half-Sugar Rose—Similar to the Giant Sugar, except color of skin.

Yellow Globe—Large, globular roots, good keeper, adapted for shallow soils.

Gate Post—Large yellow mangel, flesh white.

Price, any of the above, Pkt., 5c; ¼ lb., 20c; 1 lb., 60c; 10 lb., $5.00, prepaid.

WRITE FOR SPECIAL LIST ON QUANTITIES

CABBAGE

One Ounce 1500 Plants; Half-Pound to Transplant an Acre.

As with all other seeds our selection of cabbage stocks are positively from the best sources of supply, and the best strains obtainable, as proved by our own tests.

Culture—Cabbage does best in rich, moist, well prepared soil; extra care should be taken in working it deeply as most varieties of cabbage do not thrive in shallow soils. For the early varieties in the mountain states and similar climatic conditions) sow in hotbeds in the late winter or very early in spring and transplant to the open ground as soon as ground can be worked. Don't neglect to "harden the plants off" before transplanting and see to it that they are not so thick in the beds as to make them spindly. In transplanting to the open ground set in rows 18 to 24 inches apart and 12 to 18 inches between plants in the row. For field cultivation three feet between rows would be better. The fall and winter varieties can be handled in the same way or if the seedbed is in good condition an easier and equally successful method is to sow the seed in hills or with a regular garden drill in the open ground, using about one pound of seed per acre; when plants are well out of the ground thin out to proper distances in the row.

About pests—If bothered with cabbage worms use arsenate of lead and for the cabbage louse or aphis, Black Leaf 40 is effective. **(For Cabbage plants see Page 25)**

Copenhagen Market Cabbage

We offered this splendid variety for the first time in 1913 and it certainly has more than fulfilled our expectations. We said then as soon as it became generally known it would supplant the smaller extra early varieties. Repeated comparative tests show it to be as sure a header and within one or two days as early as the famous old Early Jersey Wakefield. For all practical purposes, therefore, it is just as early. Market gardeners here are delighted with it. The plants are short-stemmed, producing heads almost on the ground; uniformly large, round, solid and of excellent quality. The light green leaves are medium in size, saucer shaped and are always tightliy folded; the plants may, therefore, be set closer than most other early varieties. It is a vigorous grower and yielder, as are all cabbages from Denmark, and an excellent keeper. Our stock of Copenhagen Market comes to us direct from the originator. (See cut.) **Pkt., 15c; oz., 40c; 2 oz., 70c; ¼lb., $1.25; 1lb., $4.00. Postpaid.**

Copenhagen Market

Danish Ball Head (or Hollander)

P.-W.'s Short Stemmed Strain

This selected stock is the most popular of all late varieties for winter use. Genuine seed grown on Amager Island, Denmark. Because of its great solidity of head and its unequalled keeping and shipping qualities, Danish Ball Head has supplanted nearly all other varieties for winter use. Many trials have demonstrated the superiority of the Danish seed of this variety over that grown in other countries and localities. It is sure to head, being round, hard and extremely heavy, though not extra large. It can be grown in close quarters on account of its compact habit, and as to its keeping qualities, it comes out of the pit in March or April as fresh as when put in, with absolutely no waste. No cabbage has attained to so great a popularity as the true strain of P.-W.'s Short Stemmed Danish Ball Head, without doubt the leading fall and winter cabbage. **Pkt., 10c; oz., 30c; ¼lb., $1.00; 1lb., $3.00. Postpaid.**

P.-W.'s Early Jersey Wakefield

P.-W.'s Early Jersey Wakefield

We assure our market gardener customers that our strain of Jersey Wakefield meets every requirement in points of earliness and even head, so that the entire crop can be marketed very early. It grows very compact with nearly oval, deep green leaves. Short stem, medium size, very solid, pointed heads of excellent quality. Undoubtedly the best extra early pointed headed cabbage, either for home or market. **Pkt., 10c; oz., 30c; ¼lb., $1.00; 1lb., $3.00. Postpaid.**

Other Good Varieties

Extra Early Pointed or Oblong Varieties

Postpaid Prices	Pkt.	oz.	¼ lb.	1 lb.
Charleston, or Large Wakefield	10c	30c	1.00	3.00
Early Winningstadt	10c	30c	1.00	3.00

Second Early or Summer Varieties

	Pkt.	oz.	¼ lb.	1 lb.
All Head Early	10c	25c	80c	2.50
All Seasons	10c	25c	80c	2.50
Enkhuizen Glory	15c	45c	1.50	5.00
Fottler's Imprvd. Brunswick	10c	25c	80c	2.50
Succession	10c	25c	80c	2.50
P.-W.'s Summer Ballhead	15c	40c	1.25	4.00

Fall and Winter Varieties

	Pkt.	oz.	¼ lb.	1 lb.
Danish Round Head	10c	40c	1.25	4.00
Premium Late Flat Dutch	10c	25c	.80	2.50
Mammoth Red Rock	10c	40c	1.25	4.00
Marvin's Savoy (or Crumpled Leaf)	10c	40c	1.25	4.00

CARROTS (TABLE USE)

One ounce 150 feet, 4 to 6 pounds per acre.

Sow at any time in spring in deep, loose soil, preferably sandy loam about one-half inch deep, in rows eighteen inches apart and thin to three inches apart. Water freely at all times.

The Carrot is one of the most wholesome and nutritious of our green roots, deserving to be more extensively used.

P.-W.'s Chantenay

The Market Gardener's Favorite

Tops medium sized, necks small, roots tapering slightly, but uniformly stump-rooted and smooth color, deep orange-red flesh, very crisp and tender. Although this is a medium early sort it furnishes roots of usable size as early as any; it is a heavy cropper and is **undoubtedly one of the best for both the market and the private garden,** while its great productiveness makes it very desirable as a field sort. **Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., $1.00.**

Danvers Half Long

An old, popular variety and in the past the most largely used, not only for stock raising, but for table use as well. The perfect type is about eight inches long and about two and one-half inches wide at the shoulder, tapering to a sort of half-point at the bottom. Color is a bright orange-scarlet; is very heavy cropper. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c, Postpaid.**

Other Good Varieties

Postpaid Prices	Pkt.	Oz.	¼ lb	lb
Early French Forcing	5c	15c	45c	1.35
Early Scarlet Horn	5c	15c	35c	1.00
Oxheart or Guerande	5c	10c	30c	.85
St. Vallory	5c	10c	30c	.85

Stock Carrots

Improved Long Orange	5c	10c	25c	.75
Improved Short White	5c	10c	25c	.70
Mastodon	5c	10c	25c	.75
Yellow Belgian	5c	10c	25c	.75

P.-W.'s Chantenay Carrot

CHICORY—Sow seed as early in the spring as the ground can be prepared in a rather light, moderately rich soil, in drills two or two and one-half feet apart, of either garden of field culture. When plants are sufficiently large, thin to six inches apart in the row. Cultivate well and in the fall dig the roots, slice them and dry in an apple evaporator or kiln constructed for the purpose.

Large Rooted Madgeburg.—Pkt., 5c; oz., 30c; ¼ lb, $1.00; lb, $3.00, Postpaid.

COLLARDS—Sow seed the same as for late cabbage plants. The crop of green may be grown directly in the seed rows, or the plants may be transplanted and set a foot apart in the rows. Best after being touched by frost. One ounce will produce about 3,000 plants.

Creole or Southern—Cabbage Greens, used as a substitute for cabbage in the south. **Pkt. 5c; oz., 15c; ¼ lb, 45c; lb, $1.50, Postpaid.**

CORN SALAD—Sow in spring in drills a fort; it will mature in six or eight weeks. For winter and early spring use, sow in drills in August or September. Three ounces to 100 feet of drill. Large seeded.

Broad Leaved—Pkt., 5c; oz., 25c; ¼ lb, 70c, Postpaid.

CRESS

Splendid for salad, garnishing. Sow seed one foot part in open ground. Sow often for succession, as it soon runs to seed. Water Cress requires a stream of running water, ditch or pond, in which it will grow without care, except at first keeping weeds from interfering with it.

Extra Curled or Peppergrass—Pkt., 5c; oz., 15c; ¼ lb, 35c; lb, $1.10, Postpaid.

Water Crass—Pkt., 10c; oz., 60c; ¼ lb, $1.75, Postpaid.

CAULIFLOWER

Plant the seed in beds in May for fall crop, and transplant to garden or field the latter part of July. For early summer crop, plant the seed in hotbeds in January or early in February and the plants will be ready for the field as soon as danger of frost is over. Young plants should be thinned, since they become very spindly if allowed to grow too thick. Transplanted to the field, they should be set in rows two feet apart each way. If they are hardened before setting in the field and the growth is not checked, they will head well. When heading, tie the outside leaves closely over the head to protect it from the sun. One ounce of seed produces 1,500 to 2,000 plants. It requires about 10,000 plants for an acre.

P-W's Perfection

P.-W.'s Perfection Cauliflower

We obtained this grand new strain from a Danish specialist. Our tests show it to be the peer of all yet developed. It is adapted for either early or late fall use. Its sure heading characteristics are remarkable and superior to any other strain that has come under our observation. It produces beautiful snow-white, compact, solid heads uniformly of good size and excellent quality. You will never regret trying it out this year; it's a sure winner." **Pkt., 10c; ¼ oz., 80c; oz., $2.50; ¼ lb. $8.00, Postpaid.**

Erfurt Earliest Dwarf

Very dwarf in habit, producing pure white heads, desirable forcing. **Pkt., 10c; ¼ oz., 60c; oz., $2.00; ¼ lb. $7.00, Postpaid.**

P.-W.'s Danish Giant

Dry Weather Cauliflower

Heads are pure white and of fine quality, its characteristics very similar to the Early Snowball; will stand dry or warm weather and still produce large, solid heads. In some climates where it has been impossible to grow good cauliflower this variety has proven a success. **Pkt., 10c; ¼ oz., 60c; oz., $2.00; ¼ lb., $7.00, postpaid.**

Early Snowball

The well known stand-by which has been so long a favorite of home and market gardeners. It is just as good as ever. Our stock comes from the world's best cauliflower specialists and is equal to any on the market. **Pkt., 10c; ¼ oz., 60c; oz., $2.00 ¼ lb., $7.00, postpaid.**

EGG PLANT

1 oz. 1,000 to 2,000 Plants.

The seed germinates rather slowly, and it is well to start under glass, with moderately high temperature, in March. When all danger of frost is over, and the plants are strong, they should be transplanted carefully to the garden or field. It needs a warm climate to insure quick and uninterrupted growth.

Black Beauty—Earliest and best of all large fruited Egg Plants. The grand large fruit are thick and most attractvie, rich, lustrous, purplish-black. **Pkt., 5c; oz., 60c; 2 oz., $1.10; ¼ lb., $2.00; lb., $6.00, Postpaid.**

New York Improved Large Purple—Very large and of fine quality, and its extreme productiveness makes it a very profitable sort for market gardeners. **Pkt., 5c; oz., 60c; 2 oz., $1.10; ¼ lb., $2.00; lb., $6.00, Postpaid.**

CELERY

One ounce will produce from 5,000 to 10,000 plants.

For early summer celery sow seed of the self-blanching sort in flats under glass during February. In May to June set the plants in very rich and well prepared land, six inches apart in the rows, and rows three to four feet apart. Cultivate thoroughly and blanch out by boards set up against rows. For later and winter celery start seed in flats as for early, or directly into open ground. Make the rows for plants one foot apart, sow seed shallow and firm well. The rows should be four to five feet apart. To blanch earth up gradually to within a few inches of tips of leaves. For winter, take up plants with roots, place upright on wet soil in a dark cellar or root house, and pack closely.

P.-W.'s Golden Crisp Celery

The far-famed Utah Celery so much in demand.

This strain was originally developed by the Chinese gardeners. Its superior qualities gave them exclusive control of the celery market while their supply lasted. We have finally succeeded in getting a reliable source of supply for the seed of this much sought after variety. It is much stouter, thicker and heavier, with double the amount of heart of any known celery. The plant is beautiful in appearance, of close habit and compact growth, and blanches to a beautiful creamy white. Ribs perfectly solid, crisp and of a delicious nutty flavor. Once sown, always grown. **Pkt., 10c; oz., $1.20; ¼ lb., $4.00; 1 lb., $12.00, postpaid.**

Golden Self Blanching

Of quick growth, easy self-blanching character, combined with handsome appearance and crisp, sweet flavor. The plants are of a compact growth, with broad, thick stocks; a large, handsome bunch. A market garden favorite. French grown seed. **Pkt., 10c; oz., 75c; ¼ lb., $2.50; 1 lb., $7.50, postpaid.**

American Grown—Pkt., 10c; oz., 40c; ¼ lb., $1.15; 1 lb., $3.50, postpaid.

Other Good Varieties

Giant Pascal—Large, thick, solid, round stalks.

Dwarf Golden Heart—Large heart, golden yellow.

Perfection Heartwell—Stalks are long and thick, very compact, crisp.

White Plume—But little earthing up to blanch.

Winter Queen—Light green stalks, very solid, tender and crisp; blanches perfectly.

Any of the above, Pkt., 5c; oz., 25c; ¼ lb., 80c; 1 lb., $2.50, postpaid.

Celeriac—Turnip Rooted.

Large Smooth Prague—An improved turnip-rooted celery. Roots large, round and smooth, and free from celery. Roots large, round and smooth, free from side roots. **Pkt., 5c; oz., 30c; ¼ lb., 90c; 1 lb., $2.75, postpaid.**

P.-W.'s Golden Crisp

ENDIVE

One Ounce 300 Feet, 4 to 5 Pounds Per Acre.

A salad vegetable which is becoming very valuable for winter use. Seed should be sown in June or July, in rows, and thinned to about six inches apart.

	Pkt.	Oz.	¼ lb.	1 lb.		Pkt.	Oz.	¼ lb.	1 lb.
Broad Leaved Batavian	5c	15c	40c	$1.25	White Curled	5c	15c	40c	1.25
Green Curled	5c	15c	40c	1.25		All Postpaid.			

KALE OR BORRECOLE

A species of cabbage. The leaves are cooked as greens; not injured by frosts. Sow in September in the same manner as spinach.

	Pkt.	Oz.	¼ lb.	1 lb.		Pkt.	Oz.	¼ lb.	1 lb.
Dwarf Curled Scotch	5c	15c	50c	$1.50	Tall Green Ey. Scotch	5c	15c	50c	$1.50

SWEET CORN

Plant about the middle of May, or as soon as the ground is dry (if planted too early corn is apt to rot), in hills three feet apart each way, seven or eight kernels to a hill; hoe often and draw dirt to the stems; thin to four stalks and break off side shoots. Use plenty of old, fine manure. For succession plant every two or three weeks until the last of July.

P.-W.'s Golden Rod

P.-W.'s Golden Rod Sweet Corn (Bantam Evergreen)

This best of all yellow varieties is a cross between Stowell's Evergreen and Golden Bantam, and it possesses many of the merits of both parents with other merits exclusively its own. The plants, sturdy, healthy and leafy, grow six to seven feet high and bear almost invariably on each stalk two fine ears eight to ten inches in length, filled to the very tips with twelve rows of deep, succulent kernels of a rich, transparent, cream-yellow, tender, deliciously melting and "sweet as honey." This luscious "milk" stage quality is maintained for an unusually long time on account of the thick, protecting husks, which also check attacks from insects, worms and smut. **Pkt., 10c; 1 lb., 30c, postpaid. Not prepaid, 10 lb., $2.25.**

Country Gentleman

Grand old "stand-by" for main crop or canning. It produces three to four ears to each stalk. The ears are seven to eight inches long, cob small and densely covered with long, slender white grains without row formation. Deliciously sweet and tender. **Pkt., 10c; 1 lb., 30c; 3 lb., 80c, postpaid.**

Other Good Varieties

Early Varieties

Postpaid Prices	Pkt.	1 lb.	3 lb.
Early Mammoth White Cory	10c	30c	80c
Early Minnesota	10c	30c	80c
Golden Bantam	10c	30c	80c
Howling Mob	10c	30c	80c

Second Early and Main Crop Varieties

	Pkt.	1 lb.	3 lb.
Davis County Excelsior	10c	30c	80c
P.-W.'s Narrow Grain Evergreen	10c	35c	90c
Stowell's Evergreen	10c	30c	80c

Early Mayflower

A splendid extra early white sweet-corn; is earlier than Mam. White Cory and apparently less apt to worm. Ears are pure white, sugary and larger than most other extra early varieties. Should become one of the leading market gardener sorts. **Pkt., 10c; 1 lb., 40c; 3 lb., $1.00.**

Pop Corn

Postpaid Prices	Pkt.	1 lb.	3 lb.
White Pearl	10c	25c	60c
White Rice	10c	25c	60c

Write for prices on commercial grades

FOR FIELD AND SILO CORN SEE PAGES 30-31

KOHL RABI

This plant forms a firm bulb above the ground and bears short leaves. The bulb is edible and when cooked tastes very much like the turnip. If the seed is sown early the young bulbs will be ready for use in the spring, and a planting in July will secure vegetables for fall use. The seed should be planted in the open garden and the young plants thinned to four to six inches.

Early White Vienna—This is the most desirable variety for general use. It is very early and has small tops. Its color is light silvery-green; the bulbs are of medium size and best quality.

Early Purple Vienna—An early variety, with a bright purple bulb, leaves and stems green tinged with purple.

Large Green—Most productive; bulbs large, greenish-white; used mostly for stock feeding.

Any of above, Pkt., 5c; oz., 30c; ¼ lb., $1.00; 1 lb., $3.00, postpaid.

If you wish quantities larger than quoted ask for Special List.

CUCUMBERS

One Ounce 75 Hills, two to three Pounds per Acre.

The soil best adapted for the culture of cucumbers is a rich, warm, moist loam. Seed should be sown in the open ground as soon as danger of frost is over. Plant in hills four or five feet each way. As the young plant has many enemies, seed should be sown quite thickly, one-half inch in depth and when well out of the ground thinned to three or four plants to the hill. Cucumbers should be gathered by cutting, not tearing, every day or at least every other day. Leave none to ripen if you want a full crop.

P.-W.'s Klondike White Spine

Early Fortune

Comparative tests with all other strains of White Spine prove that this new type has all the "earmarks" of becoming the most popular market variety yet developed. A quick grower, very productive and disease-resistant; fruits nine inches long, slightly tapering; flesh white, very firm and crisp, with very few seeds; color rich, dark green, which does not fade when shipped a long distance. **Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., $1.50, postpaid.**

Davis Perfect

A splendid forcer and shipper.

It is a medium early, extra long, dark green type; retains its color and good qualities long after being picked; fruit is exceptionally long, smooth and tapering at both ends; flesh crisp, solid, with few seeds. Very productive market variety. **Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., $1.50, postpaid.**

P.-W.'s Klondike White Spine

After years of experimenting we have found this to be a reliable, all-purpose variety for market garden as well as the home garden. It cannot fail to be profitable, whether grown for early slicing or late pickling. The fruit, when suitable to ship, is six or seven inches in length, green to the tip and ends, solid, crisp and of excellent flavor. **Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., $1.50, postpaid.**

Other Good Varieties

Postpaid Prices	Pkt.	oz	¼ lb.	1 lb.
Arlington White Spine	5c	10c	45c	1.25
Boston Pickling	5c	10c	35c	1.00
Early Cluster	5c	10c	35c	1.00
Early Frame or Short Green	5c	10c	40c	1.20
Improved Long Green	5c	10c	45c	1.25

LEEK

Seed should be planted in June for good plants in the fall or winter.

Giant Musselburgh—This is the best variety, having good thick stems which are also long, very vigorous and of a sweet, mild flavor. **Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., $2.50, postpaid.**

MEDICINAL OR POT HERBS

Herbs delight in rich, mellow soil. Sow seeds early in the spring in shallow drills one foot apart. When up a few inches thin out to proper distance or transplant. They should be cut on a dry day, just before they come into full blossom, tied in bunches and hung up or spread out thinly on the floor where they can dry quickly.

	Pkt.	Oz.
Anise (Pimpella Ansium)—Seeds aromatic	5c	20c
Caraway (Carum Carui)—Used in flavoring	5c	25c
Catnip (Nepeta Cataria)—Medicinal	5c	35c
Chervil—Double curled, for garnishing	5c	30c
Coriander (Coriandrum Sativum)—Seeds aromatic	5c	20c
Dill—Seeds used for flavoring vinegar	5c	20c
Dandelion—For greens, etc.	10c	50c
Horehound—Has medicinal qualities	5c	40c
Lavender—True. For oil and distilled water	5c	50c
Lavendar—True. For oil and distilled water	5c	50c
Marjoram—Sweet. Used in seasoning	5c	30c
Rosemary—Yields an aromatic oil and water	5c	50c
Sage—A culinary herb. Also used in medicine	5c	50c
Savory—Winter. Used as a culinary herb	5c	40c
Thyme (Thymus Vulgaris)—Used as a seasoning	5c	50c

LETTUCE

One Ounce 3,000 Plants, Four to Five Pounds per Acre.

There is so great a difference in localities in regard to culture of lettuce that it is hard to get a uniform rule for culture. For the ordinary house garden, it is desirable to use one variety of each type, and several plantings should be made to secure succession. The seed should be planted in rows eighteen inches apart, as early as possible, and the young plants of cabbage head variety should be thinned until four inches apart. Varieties that do not head may be left quite thick, and when fairly well grown, those thinned out may be used.

HEADING OR CABBAGE TYPES

New York (Los Angeles Market)

The leading summer curly head lettuce.

Immense heads, often 13 to 16 inches across, weighing enormously. Blanches creamy-white; crisp, tender and absolutely free from bitterness. Robust growing, rooting deeply, resisting hot, dry weather; very slow to run to seed and a sure header under trying conditions. The outer color is a distinct apple-green. Has no equal as a hot weather summer lettuce; not recommended for forcing. **Pkt., 5c; oz., 30c; ¼ lb., $1.00; 1 lb., $3.00, postpaid.**

P.-W.'s Extra Early

Quickest growing head lettuce, best for forcing.

This variety forms fine, hard, medium sized heads a few weeks after planting. It is light green with a slight brownish tint on the head; leaves are smooth, crisp, rich and delicious. The best smooth leaved butter head lettuce. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., $1.25, postpaid.**

Cos or Romaine

Trianon—The best of this type. Forms large, light green plant with head well folded, quite solid. The flavor is different from ordinary and esteemed by many. Tie plants to blanch them or plant closely, 5 inches apart. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., $1.25, postpaid.**

Other Good Sorts

Big Boston—Highly recommended for outside, similar to old Boston Market, but much larger.

Deacon—Has very few waste outside leaves, grows very solid and of delicious buttery flavor.

Hanson—It is wholly free from bitter taste, having a sweet and rich flavor. A perfect open air lettuce in all respects, hardy and may be set out in the early spring or grown late in the fall. One of the most popular now grown.

May King—Fine for forcing and outside, medium size yellowish-green heads, very early.

Iceberg—Large, crisp, tender head. Outside leaves light green, tinged with brown. Stands hot weather wonderfully well.

Any of above, Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., $1.25, postpaid.

Curled or Loose Leaved Varieties

Black Seeded Simpson—This is one of the best; leaves large, thin and exceedingly tender.

Early Curled Simpson—A popular early sort, forming a large, loose head.

Grand Rapids—The most popular variety for greenhouse planting.

Prizehead—Large, loose headed sort; leaves tinged with brown, very heavy.

Any of above, Pkt., 5c; oz., 15c; ¼ lb., $1.25, postpaid.

FOR LARGER QUANTITIES THAN QUOTED GET SPECIAL LIST

MUSKMELONS

One Ounce 50 Hills, Two to Three Pounds per Acre.

Melons thrive best in a light, rich soil. Plant early in May when the ground has become warm, in hills five to six feet apart each way for muskmelons, eight to ten feet for watermelons, and plant in each twelve to fifteen seeds; after all danger of bugs is over, thin out to three or four plants per hill. A few hills for early use may be had by sowing on pieces of sod in a hot-bed, and when warm enough transplant to open ground. Melon vines are subject to the same destructive insect and fungus foes as are cucumbers and squash vines. Early and repeated spraying with arsenate of lead mixture is always advisable for these crops. See Pages 62 and 63.

P.-W.'s Delicious Gold Lined Rocky Ford

An Improved strain of the old standard Rocky Ford or Netted Gem

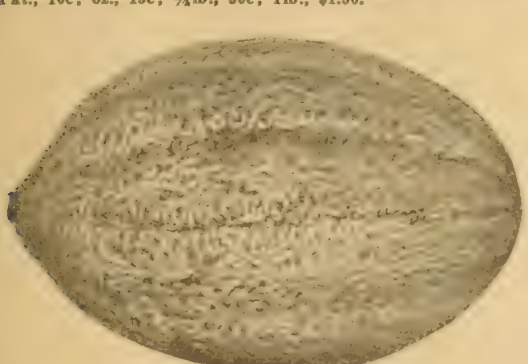
This comes directly from the originator at Rocky Ford. The immense success shows it to be the coming leader of green fleshed melons. This ideal type is of medium oval shape, about five inches long, thickly netted skin without ribs (see cut). Contains a small seed cavity, rind thin, leaving a thick lining of flesh which is a most delicious juicy flavor and fairly melts in the mouth. Color of flesh is green, except a tinge of yellow at center. Seed selected from uniform specimens, the pick of the crop. **Pkt., 10c; oz., 15c; ¼lb., 50c; 1lb., $1.50, postpaid.**

Honey Dew (Improved Cassaba)

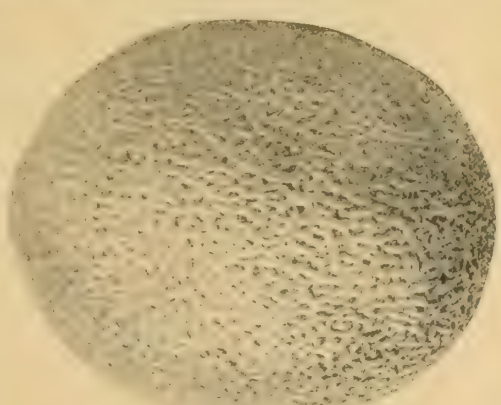
Unlike the ordinary muskmelon, the outer skin is smooth and hard, nearly white, turning to a lemon tint when fully ripe. Melons are large, weighing from six to ten pounds each, round or oval in shape, extremely thick meated and have a very small seed cavity; flesh is light green, very solid and of rich, honey-like flavor, luscious and juicy, much more so than any variety of muskmelon. An excellent keeping melon and fruits may be laid away for use late in the fall. **Pkt., 10c; oz., 20c; ¼lb., 65c; 1lb., $2.00, postpaid.**

Rocky Ford Pollock 10-25

A decided improvement on popular old Rocky Ford. Market growers are demanding this strain to the exclusion of all others. The melons are extremely uniform in size, shape, netting, flavor and have good shipping qualities. **Pkt., 10c; oz., 15c; ¼lb., 50c; 1lb., $1.50.**



Burrell's Gem



P.-W.'s Gold Lined Rocky Ford

Other Good Green Fleshed Varieties

Anne Arundel—Oval, heavily netted, green fleshed, solid; a grand shipper.

Extra Early Hackensack Hardy, prolific, large and round; deeply ribbed, coarsely netted; green flesh, very delicious.

Eden Gem—Immensely prolific, heavily netted, flesh light green; excellent quality.

Pine Apple—A Rocky Ford type in all respects except its distinctive pineapple flavor.

Any of above, Pkt., 5c; oz., 10c; ¼lb., 35c; 1lb., $1.00, postpaid.

Pollock's 25—Salmon tint, solid net, a good early shipper; special stock direct from Rocky Ford. **Pkt., 10c; oz., 15c; ¼lb., 50c; 1lb., $1.50, postpaid.**

Burrell's Gem

Leading salmon fleshed cantaloupe, extensively Grown for Market.

Equally good for the home garden, unquestionably the best salmon fleshed variety. Similar in appearance to its parent, "Defender." It is easily crated, medium size, oval in shape, slightly ribbed, covered close with net. The flesh is firm, fine grained, rich, deep yellow; vine is vigorous and very productive.

Regular Stock, Pkt., 5c; oz., 10c; ¼lb., 35c; 1lb., $1.00, postpaid.

Growers Stock, seed in sealed 1lb. bags, $1.35, postpaid.

MUSHROOMS

Full cultural directions with every order.

Mushrooms may be grown by anyone having a supply of fresh manure and a shed or cellar, or under a greenhouse bench where a temperature of 50 or 60 degrees is evenly maintained. They make a most profitable crop when successfully grown, and the American market is the best in the world for this most delicious of foods.

Pure Culture Spawn—Requires one brick of spawn for about nine square feet of bed. **One brick, 45c; two bricks, 80c; five bricks, $1.75, postpaid.**

MUSTARD

One Ounce to Fifty-foot Row.

Excellent greens, or sharp, pungent flavor; cooked the same as spinach. Sow in drills early in the spring, and at frequent intervals throughout the summer.

Ford Hook Fancy—Beautiful dark green leaves.

Giant Southern Curled Curled leaf, large.

White London An English favorite.

Any of above, Pkt., 5c; oz., 10c; ¼lb., 25c; 1lb., 90c, postpaid.

For Prices on Larger Quantities Than Quoted in This Catalog, Get Our Special List.

P.-W.'s Kleckley Sweets Watermelon

WATERMELONS

One Ounce Thirty Hills, Four to Five Pounds per Acre.

See directions given under Muskmelons.

P.-W.'s Kleckley Sweets (Or Monte Cristo)

The best melon for home or near-by markets.

There is no melon superior in quality to this strain of Kleckley Sweets. The bright scarlet flesh is the ideal of watermelon quality; firm, crisp, entirely free from stringiness or cotton and "sweet as sugar." The melon is oblong in shape, about twenty inches in length by ten or twelve inches in diameter. The skin is a rich, dark green. For the home garden and local market it should always be given a place. This melon is very much in demand on the Salt Lake market. **Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., $1.00.**

Tom Watson

Leading melon for shipping to distant markets.

It will endure rougher handling than "Kleckley's Sweets." It grows to a very large size, long in shape, colored a medium green with a light tracking of a darker shade; flesh rich red and of good quality; seeds white. We have a very fine selected stock of this melon that will surely please our market gardener customers. **Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., $1.00.**

Excel

A new, very large black seeded shipping melon; it is a little smaller than Tom Watson, but can be shipped anywhere. **Pkt., 10c; oz., 30c; ¼ lb., $1.00; 1 lb., $3.00, postpaid.**

Winter Watermelons (King and Queen)

As the name indicates, this is a winter variety. The firmness of the flesh causes it to be the longest keeper of the watermelon family. Put into a cool place it will keep long into the winter without losing its delicious sweetness or exquisite flavor. Flesh is red and extremely firm, almost as hard as citron—very brittle and deliciously sweet. This melon is round shaped and the skin is very light green, almost white. It is a good drouth resister and does well in almost any section of the west where melons of any sort can be grown. No garden should be without this exceptional variety. **Pkt., 5c; oz., 20c; ¼ lb., 65c; 1 lb., $2.00, postpaid.**

Chilian or Cannon Ball

This is a great favorite in California, both with home and market gardeners. It is nearly round, medium size, skin very dark, rich green, rind thin; flesh bright red and exceedingly crisp and sugary. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., $1.25, postpaid.**

Other Good Varieties

Postpaid Prices	Pkt.	oz	¼ lb.	1 lb.
Black Boulder	5c	10c	25c	85c
Cuban Queen	5c	10c	25c	85c
Grey Monarch	5c	10c	25c	85c
McIver's Wonderful Sugar	5c	10c	25c	85c
Rocky Ford	5c	10c	25c	85c

OKRA OR GUMBO

One Ounce Fifty Feet of Drill.

Sow late in the spring after the ground has become warm, in drills three feet apart, and when plants are three inches high, thin out to from ten to twelve inches. They should be well manured. They can also be started in a hotbed and transplanted afterward. The young green seed pods of this plant are used in soups, stews and served like asparagus.

Dwarf Green—Prolific and productive.

White Velvet—Pods are large, perfectly round and smooth and attractive; of superior flavor and tenderness. Plants comparatively dwarf, of compact branching growth. Best for all purposes.

Either of above, Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., $1.00, postpaid.

TWO VALUABLE BOOKS

To be sent free to our customers on orders of $5.00 and over, and either one will be sent with an order of $3.00 or more.

MAKING THE GARDEN PAY

Is the title of a most valuable booklet containing helpful hints, modern garden plans and cultural directions to assist the beginner in making the garden a success.

YOUR FLOWER GARDEN

Is another most interesting booklet, brim-full of very helpful suggestions for your home flower garden. Be sure to ask for it when you send in your order.

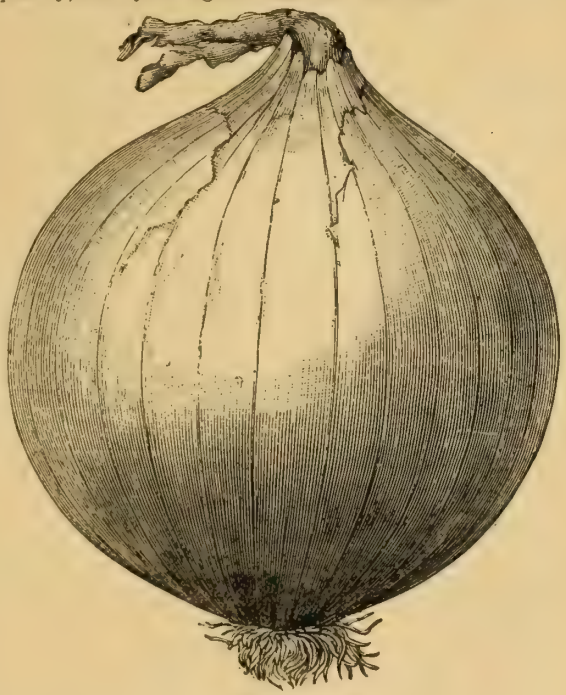
ONIONS

One Ounce 100 Feet, 4/6 Pounds per Acre.

Sow in drills twelve to sixteen inches apart, sowing the seed thinly and cover thinly. If desired for transplanting, seeds may be sown broadcast, covering a quarter of an inch deep and transplanted when size of straws. Onions prefer a deep, friable loam, very heavily enriched, but no fresh manure; therefore, fertilize the year previous to sowing. Thin to three inches apart in rows. While moisture-loving, much water is fatal and should never touch the plants after too old to pull for eating green. For keeping quality, always irrigate between the rows.

Gigantic Gibraltar

Truly a giant in size, can be grown successfully in districts where season is comparatively long, but we do not recommend it for the north and "high" valleys. It does splendidly in the vicinity of Salt Lake City. An immense, light yellow onion, fine grained, crisp, mild flavored and early. They not infrequently measure 18 inches around, and weight two pounds. To attain its largest size it should be sown early in the spring in the hotbed and later transplanted to the open ground. The onion is very productive, a good keeper for a large onion, and for those who like an onion raw, we recommend it highly on account of its mild and acceptable flavor. Market gardeners who grow this sort box them and compete successfully with the imported "Spanish" onion. We believe when this variety is better known it will outrank some of the most popular sorts. **Pkt., 5c; oz., 25c; ¼ lb., 90c; 1 lb., $2.50, postpaid.**



Gigantic Gibralter

P.-W.'s Sweet Spanish

(See Front Cover for Cut)

This giant, globe-shaped, straw-colored onion was originally imported from Spain. It has became very popular in all sections. It is now the leading onion grown by the market gardeners in the Salt Lake Valley, several carloads being shipped to the big markets last year from this district. Yield of 2,000 bushels per acre is not uncommon on good soil. (See Front Cover.) **Pkt, 5c; oz., 30c; ¼ lb., $1.00; 1 lb., $3.00, postpaid.**

P.-W.'s Yellow Globe Onion

It is similar to the Yellow Globe Danvers in shape, round, a little depressed at top and bottom, medium size but remarkably solid and heavy, producing as much weight per acre as almost any variety grown. The skin is a beautiful yellow, tops ripen down close, necks small. One of the surest keepers grown. Flesh is an attractive, sparkling white of mild and pleasant flavor. It forms a bulb very early in the season, so that it may be used practically the entire summer, ripening up crisp and solid in the fall. The tops die off entirely, leaving fine appearing, uniform shaped bulbs without neck. Under favorable conditions, from 900 to 1,000 bushels is not an uncommon yield per acre. From our trials we can highly recommend it for general crop. **Pkt., 5c; oz., 20c; ¼ lb., 65c; 1 lb., $2.00, postpaid.**

Other Good Varieties

Yellow and Dark Skinned.

Postpaid Prices	Pkt.	oz.	¼ lb.	1 lb.
Australian Brown	5c	15c	50c	1.50
Bermuda Red	5c	25c	85c	2.50
Bermuda Yellow	5c	25c	85c	2.50
Prizetaker	5c	20c	65c	2.00
P.-W.'s Southport Yellow Globe	5c	20c	65c	2.00
Yellow Globe Danvers	5c	20c	60c	1.75
Yellow Flat Danvers	5c	15c	50c	1.50
P.-W.'s Yellow Globe	5c	20c	65c	2.00
Red Wethersfield	5c	20c	65c	2.00
Yellow Strassburg	5c	15c	50c	1.50

P.-W.'s Southport White Globe Onion

The best bunching onion in the list; unquestionably the best all-purpose white onion for Mountain States and all districts with similar climatic conditions.

It is a true globe form, pure white, hard and small neck, ripening very early and evenly. A splendid keeper. It grows to a large size, averaging 7½ to 9 inches in circumference; is very solid and heavy, flesh purest white and fine grained; has a very mild, delicate flavor. It is an extremely heavy yielder. **Pkt., 5c; oz., 20c; ¼ lb., 65c; 1 lb., $2.00, postpaid.**

ONIONS—(Continued)

Crystal White Wax

A popular market onion for the south and southwest.

We have secured a very selected stock of seed direct from the most critical grower on the Island of Teneriffe. The Crystal White is a very large white onion of the Bermuda type, a remarkably good shipper and an excellent keeper for this type. The sweet, mild flavor and large size makes it a ready seller on any market. Market growers in sections where this variety is adapted should give it a trial. **Pkt., 5c; oz., 30c; ¼ lb., $1.00; 1 lb., $3.00, postpaid.**

Other Good White Varieties

Postpaid Prices	Pkt.	oz.	¼ lb.	1 lb.
Extra Early Barletta	5c	30c	1.00	3.00
Bermuda White	5c	30c	1.00	3.00
Extra Early Pearl	5c	30c	1.00	3.00
Early White Queen	5c	30c	1.00	3.00
Mammoth Silver King	5c	20c	.65	2.50
Round Silver-Skin (Portugal)	5c	20c	.65	2.50
Silver Bell	5c	30c	1.00	3.00
White Lisbon	5c	20c	.65	2.00
White Welch Multiplier	5c	30c	1.00	3.00

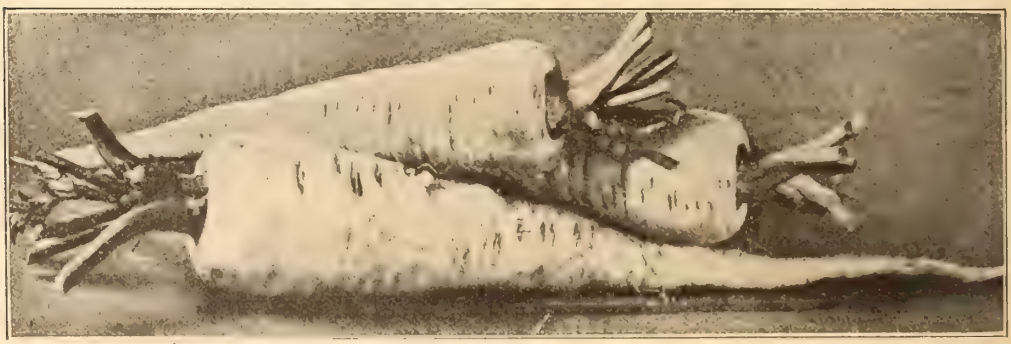
ONION SETS

A great specialty with us. We produce several carloads at our own farm in Centerville. The remarkable firmness, soundness and regularity in size of our Mountain Grown sets has been a matter of comment wherever they have been compared with those from other sections. Having been grown in this high altitude, they will produce a crop earlier than sets from east or south and in half the time that it could be produced from seed. Where an early market is sought or where the seasons are short this is a distinct advantage. Great care is exercised in cleaning and grading, so that nothing is sent out but sound, healthy, vigorous sets that produce perfect results.

Culture—Soil requirements are the same as with onion seed. Plant the sets three to four inches apart in the row, depending on the variety and twelve inches apart between the rows and two to three inches deep. It requires from 250 to 350 pounds for an acre.

	Postpaid			Not Prepaid
	1 lb.	3 lb.	10 lb.	10 lb.
Brown Onion Sets	25c	65c	$2.00	$1.75
Yellow Onion Sets	25c	65c	2.00	1.75
White Onion Sets	35c	75c	2.50	2.25
Potato Onion Sets	50c	.....	.....	.....
Garlic Sets	45c	.....	.....	.....
White Multiplier	50c	.....	.....	.....

ASK FOR PRICE LIST ON QUANTITIES



Guernsey or Hollow Crown Parsnip

PARSNIPS

One Ounce 100 Feet, Five to Eight Pounds per Acre.

A well-known vegetable for table use. It is also very good stock food and quite as nutritious as carrots. It prefers very wet soil and will thrive where carrots will not grow. A sandy soil is preferred since the roots are very long, and are difficult to dig in stiff soil. Sow the seed in the spring in twelve to eighteen-inch drills, using one ounce to 100 feet. In the field sow in rows twelve inches apart.

Guernsey or Hollow Crown

A variety with a hollow or cup-shaped top, where the leaf stem begins. The most popular and best variety for all purposes. Skin smooth and white and flesh tender, while the root grows eighteen to twenty inches long. The best part of it is contained in the first eight inches from the top. Our strain of Hollow Crown is the thick shouldered type, particularly fine, smooth and regular. **Pkt., 5c; oz., 20c; ¼ lb., 65c; 1 lb., $2.00, postpaid.**

PARSLEY

One Ounce 500 Plants.

It is used for garnishing dishes of meat or cooked in soups. A few plants in a garden will yield sufficient for a family, providing the leaves are cut often and the plant not allowed to seed. Sow in drills as early in the spring as the soil can be dug in a fine, loose condition. It germinates best during cool, moist weather.

Champion Moss Curled—A very finely curled, bright green and very ornamental variety.

Double Curled—A curled variety, very hardy and easy to grow, deep, rich green and by many preferred to the extremely curled varieties.

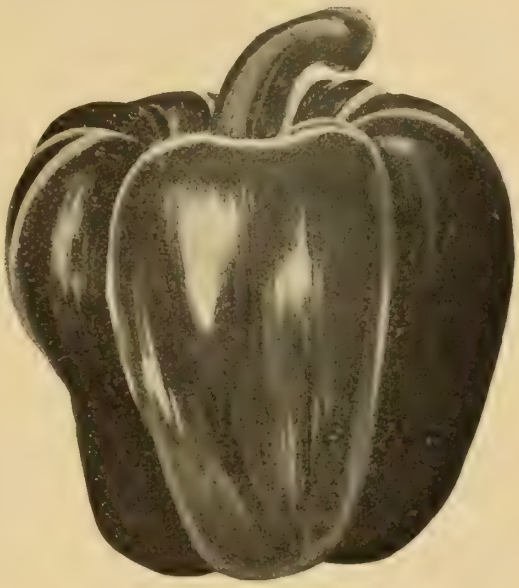
Either of above, Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., $1.50, postpaid.

PEPPERS

One Ounce 500 Plants, Half Pound per Acre.

Peppers do best in hot climates, but can be grown quite successfully in most places. They require very rich soil or the seed germinates slowly. They should be sown in hotbeds in March or April and in a warm, sheltered border in May. And when all danger of frost is over the young plants should be transplanted in rows two feet apart and eighteen inches in the row in good, rich ground.

For Pepper Plants, See Page 25



P.-W.'s Chinese Giant

P.-W. Chinese Giant Red Pepper

This is a very large, deep red variety, almost twice the size of either Ruby King or Bull Nose. It is four or five inches thick at the top and about six inches long. Though not so productive for so large a pepper, its enormous size and magnificent appearance makes it sell readily. The plants are of stocky habit, sometimes more than two feet in height, well branched and thickly set with fruits, frequently a half dozen peppers touching as if in a single bunch. The strong growth of the plant enables the fruit to mature only slightly later than the Ruby King. They make excellent sliced and served like tomatoes, the flesh being sweet and extremely mild. **Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., $1.75; 1 lb., $6.00, postpaid.**

Other Good Varieties

Giant Crimson—About the size of Chinese Giant, similar in appearance; ripens earlier.

Large Bell or Bull Nose—Large, bright red.

Long Red Cayenne—Small, a bright scarlet, cone-shaped, pungent pods.

Neapolitan—Unusually mild and sweet, a bright red.

Red chili—Small bright red, hot and pungent.

Ruby Giant—A cross between Ruby King and Chinese Giant, ripens earlier, very fine.

Ruby King—Fruits large, glossy red, very mild, sweet flavor and can be sliced and eaten like tomatoes. Best for making mangoes and most widely planted in the mountain states.

Any of above, Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50, postpaid.

PUMPKIN

Three to Four Pounds per Acre. One Ounce to Fifty Hills.

Plant in April or May, among corn or in the garden, in hills eight or ten feet apart, and otherwise treat in the same manner as melons.

Cheese—The most popular for pies and table use; large, flat-round, creamy yellow skin and thick, orange flesh of fine quality; a splendid keeper. **Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., $1.00 postpaid.**

Common or Connecticut Field—A productive, large, orange-colored field pumpkin, usually grown for stock feeding, but it also makes good pies. **Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., $1.00, postpaid.**

Kentucky Field—Large, round-flat, creamy yellow skin and flesh. **Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., $1.00, postpaid.**

King of Mammoth or Jumbo—This strain produces the biggest pumpkins grown, sometimes measuring six feet in circumference and weighing 200 to 250 pounds. Outside color deep, orange yellow, flesh very thick, fine grained, tender, of bright yellow color and excellent quality for pies and other uses. **Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., $1.50, postpaid.**

Sugar—A handsome and productive small pumpkin, ten to twelve inches in diameter; flat-round, skin orange, flesh deep yellow, of fine grain and very sweet. **Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., $1.00, postpaid.**

Get Our Special List for Larger Quantities Than Quoted in This Catalog.

PEAS

One pound 100 feet of row, 100 pounds per acre.

Our seed peas are raised in high valleys in the Mountain States, by our most critical contract growers, from selected stock strains. The growing crops have been carefully inspected and "rogued," and the resulting seed crop thoroughly cleaned and "hand picked." Truly there can be no better stock found anywhere.

Inoculate Pea Seed with Farmogerm for Increased Yields. See Page 64.

Culture.—Peas thrive best in rather light, sandy soil, which is not too rich or they will run too much to vines and not bear heavily. Sow as soon as the ground can be worked, in single or double rows from one and one-half to three feet apart. The dwarf varieties can be planted in rows twelve to eighteen inches apart. By using the various classes of peas and by making several sowings of each, good peas may be had for a long season. In the garden the pods should be kept picked as the vine will then continue to bear longer.

P.-W.'s Dwarf Gradus or Laxtonian Pea

This is the largest podded of all early dwarf peas. A new sort of decided merit. The vines are vigorous, growing about 10 inches high, and producing a large crop of good-sized pods, averaging from nine to ten pease to the pod.

The peas are of exquisite flavor and mature early. All the planters who have tried Dwarf Gradus consider it superior to either the old Gradus or Thomas Laxton, and consider it to be the best of all the early dwarf peas.

From our own observations, at our trial grounds and the combined experiences of market gardeners in different sections, we have no hesitancy in pronouncing this excellent variety to be **The Best Extra Early Pea in the West for Market Growers. Pkt., 10c; lb, 35; 2lb, 65c, Postpaid. Not Prepaid, lb, 30c; 10lb, $2.50; 100lb, $22.50.**

P.-W.'s Dwarf Prize Pea

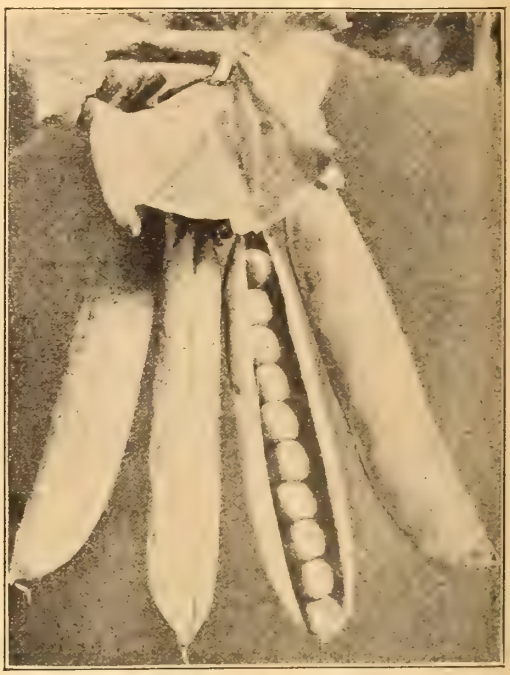
This handsome new wrinkled pea is so hardy that it may safely be planted as early as the hard-seeded "Extra Earlies." The plants are dwarf, growing about 14 inches high, very stout and exceedingly productive, and quality is all that could be desired, exceptionally sweet and tender. It is the ideal variety for the home garden for early planting; in our estimation, no other plant can match it for this purpose. Try it this year; we are sure you cannot select anything in the pea family that will please you more. **Pkt., 10c; lb, 35c; 2lb, 65c, Postpaid. Not Prepaid, lb, 25c; 10lb, $2.25; 100lb, $20.00.**

P.-W.'s Alderman Pea

In our estimation, the best of the tall growing sorts for main crop.

This most valuable variety of recent introduction belongs to the old Telephone type.

The vines are tall, growing about four feet high, dark green, vigorous and exceedingly productive. The pods are of largest size, often five to five and one-half inches long, filled with large sweet, tender peas of most delicious flavor. It answers every requirement of the market grower who wishes a pea that will stand shipping a long distance and still retain its dark green color. For the home garden it is equally desirable. **Pkt., 10c; lb, 35c; 2lb, 65c; Postpaid. Not Prepaid, lb, 25c; 10lb, $2.25; 100lb, $20.00.**



P.-W.'s Dwarf Gradus

Other Good Varieties

Extra Early Varieties.

Postpaid Prices	Pkt.	lb	2lb
Alaska Extra Early	10c	20c	35c
Gradus or Prosperity	10c	35c	60c
Thamos Laxton	10c	35c	60c

Early Varieties.

American Wonder	10c	35c	60c
Nott's Excelsior	10c	35c	60c

Main Crop Varieties.

Bliss Everbearing	10c	35c	60c
Dwarf Telephone (Carter's Daisy)	10c	35c	60c
P.-W.'s Telephone	10c	35c	60c
P.-W.'s Dwarf Defiance	10c	35c	60c
Yorkshire Hero	10c	35c	60c
Hartsford Market Garden	10c	25c	45c
Mammoth Melting Sugar	10c	35c	60c

Red River Early Ohio Potatoes

POTATOES

Seven hundred to 1200 pounds per acre

For early potatoes, which mature in eight to ten weeks from planting, the soil must be particularly rich. A rich clover bed, manured and broken the year before and planted to corn, beans, peas, oats, etc., is in the best shape for giving a good yield of nice, clean potatoes. Stable manure had better be applied to the land the year before. Plant good sized pieces each containing no less than two or three eyes, fifteen inches apart in the furrows, for early potatoes, and eighteen inches apart for late ones.

The Seed Potatoes we send out will be not only strictly true to name, but hand-sorted, clean, healthy and vigorous.

Change Your Seed—There is a profit as well as satisfaction in planting our seed, for, not only is it pure, but the additional yield to be secured from a change of seed fully pays for the seed, so that the investment itself is nothing.

Treatment of Potatoes for Rosette

Two ounces of Corrosive Sublimate or Mercuric Cloride.

Dissolve in one gallon of hot water. After same is thoroughly dissolved, add 14 gallons of cold water.

Use only in wooden vessels—rank poison. Use care about handling after treatment.

Directions for Dipping

Put in solution either loose or in sacks and allow to remain for two hours. Then remove to clean place, where there is no danger of disease germs.

Fifteen gallons of solution is sufficient to treat as many potatoes as the solution will cover four separate times.

Treat only clean stock.

Early Ohio—An old-time favorite; matures early, and the potatoes are fit for use before fully ripe. Most growers here consider it the most profitable early market variety. Red River stock. **Certified, 10 lb, $1.00; 100 lb, market price.**

Rural New Yorker—A valuable variety of large size; very smooth and a great cropper; in quality unexcelled. It is the best late long keeper, and we recommend it highly. **10 lb, $1.00; 100 lb, market price.**

Popular Varieties

Not Prepaid	10 lb	100 lb
Bliss, Triumph	$1.00	Mkt. Price
Early Ohio	1.00	Mkt. Price
Eureka	1.00	Mkt. Price
Early Rose	1.00	Mkt. Price
Irish Cobbler	1.00	Mkt. Price
Main Crop Varieties		
Russets	.75	Mkt. Price
Peerless (Improved)	.75	Mkt. Price

RHUBARB OR PIE PLANT

Sow the seed early one inch deep and when the plants are large enough, thin them to four or five inches apart. The next spring or fall transplant them three feet apart each way in deep, rich soil. For forcing, take up some large roots and place them in a dark corner of the cellar or greenhouse.

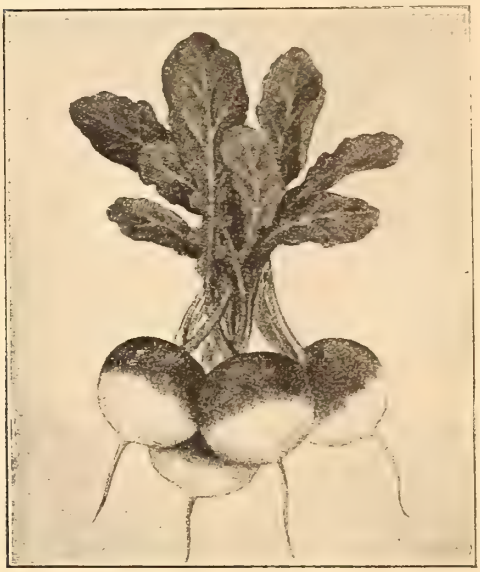
Victoria—Very large and tender. The best variety to plant and the one most generally used. **Pkt., 5c; oz., 20c; ¼ lb, 60c; lb, $2.00, Postpaid.** **For Rhubarb Roots see Page 25.**

RADISH

One ounce 50 feet, 10 to 12 pounds per acre.

For the best results the soil should be light, well pulverized, rich and mellow to insure quick growing, supplying plenty of water. Radishes permitted to grow slowly become tough and pithy. ight frosts will not kill young plants, but will check the growth and they do best when kept growing right along. For a succession of crop they should be sown about every ten days. During the hot honths of summer the winter radishes will do better than the early sorts, which get stringy and pithy. Winter radishes can be stored in winter the same as potatoes and other roots, and furnish an acceptable relish through the winter months.

There is no crop that will bring quicker returns for the market gardener. Select your warmest, lightest soil and plant so as to get into market when prices are at the top. The leading variety for this purpose is "P.-W.'s Sparkler"; or if you wish an all scarlet, use "P.-W.'s Earliest." For family use our recommendations are P.-W.'s Sparkler for early or succession; Icicle for second early; and Celestial for winter use.



P.-W.'s Sparkler Radish

EARLY TURNIP SHAPED VARIETIES

P.-W.'s Sparkler Radish

The Leader for Market

The cut gives an idea of the shape of this attractive radish. The color is scarlet and white. It is extremely quick to mature, being ready for the table in 20 days from the time of sowing the seed. It is invaluable fro forcing under glass, as well as for growth in the open air. The skin is very smooth, and its clear color gives it an appetizing appearance on the table. Selected stock seed. **Pkt., 5c; oz., 10c; ¼ lb, 30c; lb, 85c, Postpaid.**

Extra Early Scarlet—Deep scarlet; tender, mild and crisp; quick-growing; tops small.

P.-W.'s Earliest—Attains a good size without gettin pithy or hollow. One week earlier than White Tipped.

P.-W.'s Scarlet Turnip White Tipped—Well known market variety.

French Breakfast—Oval form, bright scarlet color, tipped with white.

Price, except where noted, any of above: Pkt., 5c; oz., 10c; ¼ lb, 25c; lb, 75c, Postpaid.

Get Special Price List on larger quantities.

Long Varieties

Icicle—White, slender and tapering in shape. It quickly grows to market size; is crisp, brittle, mild and sweet.

Long Scarlet Short Top—Bright carmine.

White Strassburg—Half-long and thick.

White Vienna—Snow white; flesh crisp.

Prices, any of above, Pkt., 5c; oz., 10c; ¼ lb., 25c; lb, 75c, Prepaid.

Winter Varieties

Chinese Rose—Half-long, flesh pink, solid.

Long Black Spanish—Roots black.

Round Black Spanish—Globe shaped.

Celestial or White Chinese—Pure white, firm.

Prices, any of above, Pkt., 5c; oz., 10c; ¼ lb., 30c; lb, 85c, Postpaid.

Take no chances—get our tested seeds.

SALSIFY OR VEGETABLE OYSTER

One ounce for 50 feet of drill, 8 to 10 pounds per acre.

Used the same as carrots; sometimes made into cakes and friend like oysters, which they resemble in flavor. Cultivate the same as carrots; can remain in the ground all winter for early spring use, but should be taken up before it starts growing. Succeeds best in light, well enriched, mellow soil. Sow early in the spring in drills 12 to 15 inches apart, 1 inch deep; thin to 6 inches apart.

Mammoth Sandwich Island—Grows to a very large size and resembles a good-sized parsnip. Mild and delicately flavored; very popular. **Pkt., 5c; oz., 20c; ¼ lb, 65c; lb, $2.00, Postpaid.**

SWISS CHARD (SPINACH BEET)

The City Man's Garden

This vegetable give maximum returns for minimum space. Sow early in spring, in rows sixteen inches apart, and thin out to six inches apart in the rows. It can be used all summer when spinach is not available.

Lucullus Swiss Chard—A new moss curled sort. Very large leaves. The mid-ribs are very broad and form a good substitute for asparagus during the summer months. **Pkt., 5c; oz., 10c; ¼ lb, 35c; lb, $1.00.**

SPINACH

One ounce 100 feet, 10 to 12 pounds per acre.

For spring and summer use, sow early in drills, one foot apart and one inch deep, as soon a sthe ground can be worked; and every two weeks thereafter for a succession. For winter or early spring use, sow in September in well-manured ground, covering with straw on the approach of severe weather. It is hard to get the ground too rich. The stronger the ground the larger and more succulent will be the leaves.

P.-W.'s Bloomsdale Savoy—Leaves are thick and blistered. Its hardiness and thickness of leafe permit safe long-distance shipping. A great favorite. Aur strain is carefully grown and has secured and kept the trade of the largest growers in the Rocky Mountain States.

Long Standing—Green, smooth leaves.

Victoria—Deepest green color; has heavily crimped, thick, fleshy leaves.

Prickly Winter—Vigorous and hardy; leaves round, thick, medium sized and dark green.

Viroflay—For either spring or fall sowing; leaves very large, broad, thick and arrow-shaped, much crumpled.

Price, any of above: Pkt., 5c; oz., 10c; ¼ lb, 20c; lb, 50c, Postpaid. Ask for quantity prices.

Chicago Warted Hubbard

SQUASH

One ounce 100 feet, 2 to 3 pounds per acre.

Squash should be planted in warm, light, rich soil, after the weather has become thoroughly settled and warm, as they are very sensitive to frost and cannot be sown until all danger of frosts is over. Plant in well manured hills in the same manner as cucumbers or melons. The bushy varieties two to three feet apart each way and the running kinds six to eight feet.

Winter Varieties

Chicago Warted Hubbard (The Great American Favorite)—This is one of the best in quality of all the winter sorts. It is attractive on the market and a ready seller. Very dark green and flesh is dry and sweet. Very hard shell, which insures long keeping qualities. It is considered by many an improvement on the old Hubbard. **Pkt., 5c; oz., 15c; ¼ lb, 50c; lb, $1.50, Postpaid.**

Pike's Peak or Sibley—Large oval fruits, tapering at the blossom end; skin smooth and dark olive-green in color; flesh golden-yellow and of very best quality. **Pkt., 5c; oz., 15c; ¼ lb, 55c; lb, $1.75, Postpaid.**

Postpaid Prices	Pkt.	Oz.	¼ lb	lb
Essex Hybrid	5c	15c	35c	$1.25
Hubbard	5c	15c	45c	1.25
Mammoth Chili	5c	15c	60c	1.75
Utah Giant Field	5c	15c	35c	1.25

Summer Varieties

Early White Bush (Scalloped)—An early variety, flat, creamy white scalloped squash, four to six inches in diameter.

Long White Marrow—The skin is a greenish-white; flesh white, soft and of rich flavor.

Yellow Summer Crookneck—This is a golden-yellow variety, thickly warted; eighteen inches; brittle and tender.

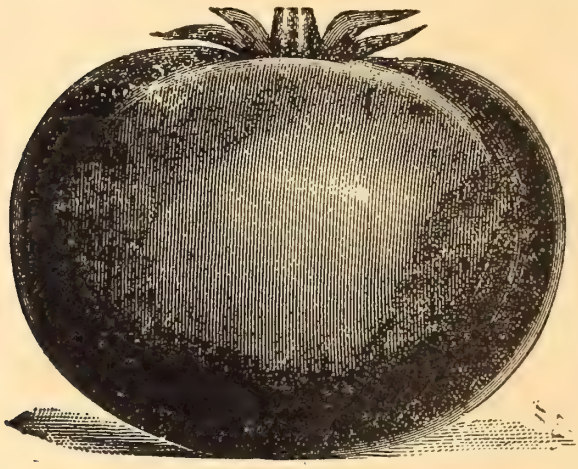
Vegetable Marrow—Skin greenish yellow; flesh white.

Any of above: Pkt., 5c; oz., 15c; ¼ lb, 40c; lb, $1.25, Postpaid.

TOMATO

One ounce 1,000 plants, two ounces per acre.

For early plants sow in hot beds early in March, in drills five inches apart, one-half inch deep. When the plants are about two inches high, transplant into another four inches apart each way. Plant out in the open ground as soon as danger from frost is over, four feet apart each way, in hills. Water freely at the time of transplanting. When the first fruit is set, pinch off the ends of the branches to attain early fruit. Sufficient plants for a small garden can be grown in a small box or a large flower pot, by placing it in a sunny window in a warm room or kitchen. For late use sow in sheltered border in May and set out the plants in July. The green fruits can be picked off before late frost and ripened under glass.



"John Baer" Tomato

Standard Varieties

Postpaid Prices	Pkt.	Oz.	¼ lb	lb
Acme	5c	30c	$1.00	$3.00
Beauty	5c	30c	1.00	3.00
Bonny Best	5c	30c	1.00	3.00
Chalk's Early Jewel	5c	30c	1.00	3.00
Early Detroit	5c	40c	1.35	4.00
Early Michigan	5c	40c	1.35	4.00
Main Crop Varieties				
Delaware Beauty	5c	35c	1.15	3.50
Dwarf Champion	5c	40c	1.35	4.00
Greater Baltimore	5c	35c	1.15	3.50
Landreth's Red Rock	5c	35c	1.15	3.50
Livingstone's Hummer	5c	35c	1.15	3.50
Matchless	5c	35c	1.15	3.50
My Maryland	5c	35c	1.15	3.50
New Stone	5c	35c	1.15	3.50
P.-W.'s Imperial	5c	40c	1.35	4.00
Ponderosa	5c	50c	1.60	5.00
Small Fruited Varieties				
Red Pear Shaped	5c	45c	1.50	4.50
Red Cherry	5c	45c	1.50	4.50
Strawberry or Husk	5c	45c	1.50	4.50
Yellow Plum	5c	45c	1.50	4.50

Our Tomato Seed is grown for us on contract by the most critical and painstaking grower in America. Our superior strains will meet the demand of the most exacting canner or market gardener.

Early Varieties
"John Baer" Tomato

"John Baer" tomatoes produce perfect, solid, high crown, brilliant red shipping tomatoes in 30 days from potted plants if the roots are undisturbed when set out. Our tests show that it is not only remarkably early, but an enormous crop, producing 50 to 100 perfect tomatoes to plant. The fruit contains few seeds, is extremely solid and meaty and of deliciously mild, sweet flavor. Entrely free from blight, no cracks, no wrinkles, no one-sided or scarred fruit and even when dead ripe "John Baer" will not burst. **Pkt., 10c; oz., 35c; ¼ lb., $1.15; 1 lb., $3.50, postpaid.**

P.-W.'s Extra Earliana

Extremely early, of fine quality, the flesh being remarkably solid and containing few seeds. These qualities have made it particularly useful for a first crop. Where only one sort is grown the wide-awake planter heads his list with Earliana. The strain we are offering has been specially selected for earliness. **Pkt., 5c; oz., 40c; ¼ lb, $1.30; 1 lb, $4.00, postpaid.**

San Jose Canner

San Jose Canner

The Leading Canning Tomato on the Market.

This extremely productive tomato is California bred, selection from the New Stone, outclassing its famous parent in yield, uniformity in size, shape and solidity; color a brilliant scarlet. For main crop and canning purposes this variety is replacing all others. **Pkt., 5c; oz., 40c; ¼ lb, $1.30; lb, $4.00, Postpaid.**

TURNIPS

One ounce 100 feet, 2 pounds per acre.

For early use, sow as soon as the ground can be worked in the spring, in drills twelve to fifteen inches apart, and thin out to six to nine inches in the row. For succession, continue to sow every two weeks until June. For fall or winter crops sow in July or August.

Purple Top White Globe Turnip

The Best Flavored and Largest Yielder Grown. Without an Equal for All Purposes.

This most popular of all market turnips originated from the purple top flat turnip. The shaps is globular and of good size, and in appearance it is the best looking of all varieties of white globe sort, having an uneven purple edging at the top. The flesh is firm, fine grained, white and of most excellent flavor. It is a fine keeper, extnesively grown and pitted for fall and winter, and produces enormous crops. In our estimation it cannot be beat either for home or market planting. **Pkt., 5c; oz., 10c; ¼ lb, 30c; lb, 85c, Postpaid.**

Extra Purple Top Milan—Earliest turnip in cultivation; flat, smooth, of medium size. with bright purple top and few leaves. Adapted to spring or fall. **Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., $1.50, Postpaid.**

Particular Planters Demand P.-W.'s Tested Mountain Grown Seeds and Reliable Trees. They Are the Foundation of Bigger Crops.

Other Popular Varieties

Postpaid	Pkt.	Oz.	¼ lb	lb
Extra Early White Milan	5c	15c	50c	$1.50
Early Purple Top Strap Leaf	5c	15c	30c	.85
Pomerine White Globe	5c	10c	30c	.85
Snowball	5c	10c	30c	.85
White Egg	5c	10c	30c	.85
White Flat Dutch	5c	10c	30c	.85

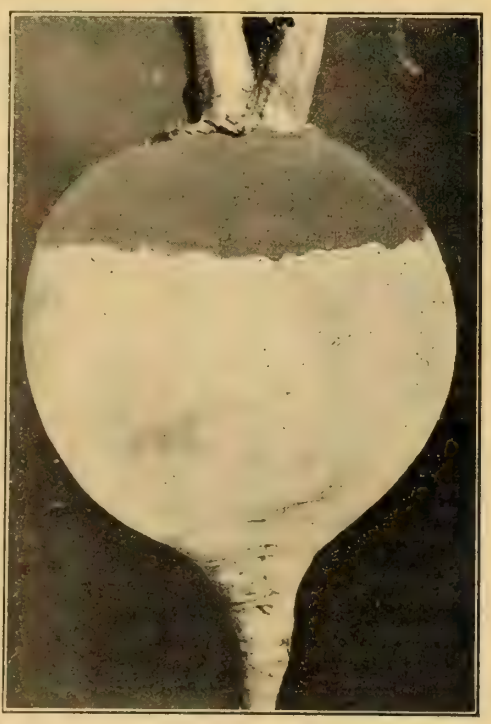
RUTA BAGA OR SWEDES

One ounce 100 feet, 2-3 pound per acre.

Rows should be at least two and one-half feet apart and the plants thinned to eight to twelve inches. Roots frequently grow to be an enormous size. The roots should be taken up before severe frost. Cut off tops within an inch of the crown. Store in a cool cellar or pit.

Improved Purple Top—Remrakable for uniform shape and fine quality; a splendid keeper. Skir smooth; flesh a beautiful yellow color, fine grained Very sweet and tender. **Pkt., 5c; oz., 10c; ¼ lb, 30c; lb, 85c, Postpaid.**.. Write for quantity prices.

Remember Turnips and Ruta Bagas are not only "good for man," but beast also. Cut down your feeding bill by planting a liberal acreage.



Purple Top Globe Turnip

VEGETABLE PLANTS AND ROOTS

We have excellent facilities in this line. The plants are grown from selected seed at our own greenhouses. Where possible, we advise shipments to be made by Express.

	When Ready	Postpaid. Doz.	100	Not Prepaid. Doz.	100	1000
Cabbage—Early Jersey Wakefield, Copenhagen Market, Danish Ball Head	April, May	25c	$1.50	15c	$0.90	$6.00
Celery—Golden Self-Blanching, Winter Queen, Golden Crisp	May, July	25c	1.50	20c	1.00	6.50
Cauliflower—Snowball, P.-W.'s Perfection	April, May	25c	1.50	20c	1.00	6.50
Egg Plant—N. Y. Purple, Black Beauty	May, June	60c	4.00	50c	3.50	30.00
Pepper—Chinese Giant, Ruby King, etc.	May, June	30c	2.00	20c	1.00	6.50
Tomato—Earliana, other standards (transplants)	May	40c	2.30	30c	2.00	17.50
Asparagus—1 year old, standard varieties	March, April	35c	1.75	25c	1.50	10.00
Asparagus—2 year old, standard varieties	March, April	60c	3.00	35c	2.50	15.00
Horse Radish Roots—Strnog divisions	March, April	60c	3.50	50c	3.00	20.00

Rhubarb—Victoria, mailing size, 2 or 3 eyes to each clump. **Each, 35c; $3.00 per dozen, Postpaid. By Express or Freight 20c each; $2.25 per dozen; $15.00 per 100.**

P.-W.'s Grass and Clover Mixtures Make Best Dairy Pastures

GRASS SEEDS

Consistent with our policy to sell only the best we furnish only such grades that have been critically grown from highest germination and purity; this fact should be in mind when comparing prices with other sources of supply. Prices fluctuate. Write for prices on quantities.

Bromus Inermis (Hungarian Brome Grass)—Has remarkable drouth-resisting qualities. It is hardy and not injured by severe spring and fall frost, when once established. Sow at the rate of twenty to thirty pounds per acre. **Pound, 35c, Postpaid. Not prepaid, 10lb, $2.50.**

Red Top (Agrostis Vulgaris)—Reaches highest perfection in moist, rich soil. The whole seed, sow 25 pounds per acre. **Pound, 40c, Post. paid. Not prepaid, 10lb, $3.00.**

Orchard Grass (Dactylis Glomerata)—Furnishes excellent pasturage for three weeks before any other, and after close grazing a ten days' interval is sufficient for another growth. It makes a very heavy sod, and when well set remains for many years. When sown alone, sow from 20 to 25 pounds per acre. **Pound, 45c, Postpaid. Not prepaid, 10lb, $3.00.**

Kentucky Blue Grass—This grass is the first up in the spring and remains green until snow flies in the fall. It will do well on almost any land. Sow in the fall or spring at the rate of 30 pounds per acre. **Pound, 75c, Postpaid. Not prepaid, 10lb, $6.50.**

English or Perennial Rye Grass—Produces an abundance of foliage, which remains bright and green during the season. When sown by itself, sow 30 pounds per acre either in the spring or fall. **Pound, 30c, Postpaid. Not prepaid, 10lb, $2.00; 100lb at market price.**

Meadow Fesque, Randall or English Blue Gras—Excellent for hay and pasturage, particularly valuable for fall and winter pasturage. Succeeds even in poor soil, and as the roots penetrate deep, from 12 to 15 inches, it takes extremely dry weather to affect it. Sow either in the spring or fall at the rate of 30 pounds to the acre, if sown by itself. **Pound, 55c, Postpaid. Not prepaid, 10lb, $4.50.**

Timothy—Of hay grasses Timothy is the most popular. On clay or heavy loams, lowlands or in mountainous districts, provided there is an abundance of moisture, it produces the very best results. Alone, 12 pounds to the acre, or with clover, 10 pounds timothy and 6 pounds clover. **Pound, 30c, Postpaid. Not prepaid, 10lb, $2.00.**

Tall Meadow Oat Grass (Avena Elatoir)—Yielding twice as much as Timothy or Orchard Grass, early as Orchard Grass, with more leaf and affording better grazing, it is not strange that this grass is becoming so popular. Sown alone, use 30 pounds to the acre, either spring or fall. **Pound, 60c, Postpaid. Not prepaid, 10lb, $5.00; 100lb at market price.**

Italian Rye Grass—Annual type of English Rye Grass. **Pound, 30c, Postpaid. Not prepaid, 10lb, $2.00.**

TWO VALUABLE BOOKS

To be sent free to our customers on orders of $5.00 and over and either one will be sent with order of $3.00 or more.

"MAKING THE GARDEN PAY"

Is the title of a most valuable booklet containing helpful hints, modern garden plans and cultural directions to assist the beginner in making the garden a success.

"YOUR FLOWER GARDEN"

Is another most interesting booklet, brimfull of helpful suggestions for the home flower garden. Ask for it when you send in your order.

A Typical Hay Crop From P.-W.'s Mountain Grown Dry Land Alfalfa Seed

CLOVER SEEDS

Prices subject to market changes. Ask for quantity prices. Seamless bags at extra cost. Inoculate All Clovers With Farmogerm for Increased Results.

Alfalfa (or Lucerne)

For all purposes the peer of all forage plants, especially for the entire Western States. Too well known in the West to need a description. In money feeding value per acre it has been estimated that Alfalfa is worth 45 per cent more than other clovers and 60 to 70 per cent more than Timothy. It produces from three to five crops per year and yields from 3 to 7 tons per acre, depending on soil and climatic conditions. Sow in spring or early fall at rate of 10 to 15 pounds per acre.

P.-W.'s Mountain Grown Dry Land Alfalfa Seed—This has been especially selected from highland sections of the Mountain Sates and grown without irrigation, developing a most sturdy type much to be preferred than seed produced under other conditions. **Lb., 35c, Postpaid. Not prepaid, 10lb, $2.50; 100lb, market price.**

Grimm Alfalfa Seed—This variety is especially recommended for shallow soils or those underlaid with hardpan. The claim made for it is that in addition to extreme hardiness it has spreading roots instead of a single tap-root and that it makes underground creeping stems. **Lb., 55c, Postpaid. Not prepaid, 10lb, $4.50; 100lb, market price.**

Alsike Clover (Swedish Hybrid)

Is recommended both for sowing with Timothy and also with the Red and Mammoth Clovers, as well as for a hay crop by itself. It does not winter-kill. The use of Swedish Alsike Clover is increasing rapidly; cattle prefer it to other clovers. It lasts longer, is hardier, standing adverse conditions, both of summer and winter weather, better than the ordinary clovers, and is also better adapted for grazing purposes. It is somewhat similar in growth and appearance to Red Clover, but has a lighter colored bloom. It is very fine for honey bees. Sow at the rate of six or eight pounds per acre; sown in mixtures, five or six pounds per acre is sufficient. **Lb., 45c, Postpaid. Not prepaid, 10lb, $3.50; 100lb, market price.**

Sweet Clover

As a money-maker this has been rightfully named "Alfalfa's Twin Sister." Its value in the redemption of alkaline lands cannot be overestimated. If you have land of this class get busy at once. Sweet Clover will be its salvation. It will not only reclaim your alkaline and worn-out soils, but at the same time will yield crops of pasturage, hay and seed ranging in value from $75.00 to $150.00 per acre. It grows in a variety of soils—heavy, light, wet or dry, almost anywhere except in acid soil. It is usually possible to get one cutting of Sweet Clover the first year and two good hay crops the second; or one hay crop and one seed crop. It is a splendid feed, about equal to alfalfa. Sow the seed at the rate of 10 to 15 pounds per acre, with a nurse crop of grain, or alone, in well prepared fields in April or May. Cover the seed very lightly.

White Blossom or Bokhara (Melilotus Alba)—This lives two years and then dies. It is the variety commonly referred to when "Sweet Clover" is mentioned and is the best for general use. **Lb., 35c, Postpaid. Not postpaid, 10lb, $2.50; 100lb, market price.**

Yellow Blossom (Melitotus Officinalis)—Same family as White Blossom Sweet Clover but it is not so prolific in growth and flowers are yellow instead of white. For the bee pasture and fertilizing purposes, we believe it to be equally valuable, but for hay or pasture it is not so desirable. **Lb., 40, Postpaid. Not prepaid, 10lb, $3.00 100lb, market price.**

DOLLARS IN PROFITS A WONDERFUL SOLUTION OF YOUR FEEDING PROBLEMS will be found in liberal acreages of MANGELS (See Page 7), and SILO CORN (See Page 31).

CLOVER SEEDS—(Continued)

Showing Nitrogen Nodules on Root of Sweet Clover

Hubam Clover (Annual Sweet Clover)

This is an annual white blossom sweet clover very similar to Melilotus Alba but a more rapid grower and matures its seed the first year. It is a valuable cover crop of for green manuring, for forage hay or bee pasture. Sow broadcast or in drills 18 inches apart at rate of four to five pounds per acre. **Lb., 75c, Postpaid. Write for quantity prices.**

Medium Red Clover (Trifolium Pratense)

It is sometimes called June Clover, and is a dependable, all-round variety for farmers and stockmen. It makes two crops each year. The first is usually cut when it is in blossom for hay; the last crop may be harvested for seed, cut for hay, or plowed under to add fertiltiy to the soil. Sow either in the spring or fall, and if no other grasses are used, at the rate of from eight to fifteen pounds to the acre, according to quality of seed used and condition of the soil. **Lb., 50c, Postpaid. Not prepaid, 10lb, $4.00. As market conditions change almost daily, write for prices on quantities.**

Inoculate All Clover Seed With
FARMOGERM
for Increased Yield and Additional Soil Fertility

P.-W.'s GRASS AND CLOVER SEED MIXTURES

P.-W.'s Grass and Clover Seed Mixtures
For Permanent Meadows and Pastures

Our well-balanced mixtures are made up of a number of native and acclimated grasses and clovers, blended in such a way as to best suit the climatic and soil conditions found in our intermountain regions. We have aimed in these splendid combinations to supply such varieties that will form a deep-rooting turf and that will yield, year after year, the greatest amount of hay and furnish the most constant and abundantpasturage. To the dairyman or farmer who has lands adapted for pastures the value of a carefully prepared seed mixture can be hardly estimated. With these mixtures and with the proper kinds of dairy cows, it is possible to realize at least one hundred and fifty dollars per acre annually from every acre that has been carefully seeded and attended to.

The following mixtures will be found desirable and well proportioned for the kind of soils specified.

P.-W.'s Mixture No. 1. For Upland Pasture Under Irrigation—The main varieties of this combination are Kentucky Blue Grass, Perennial Rye Grass, Red Top, Orchard Grass, Tall Meadow Fescue, Red Clover, Lucerne and White Clover. Sow 25 pounds per acre. **Pound, 40c, Postpaid. Not prepaid, 10lb, $2.75; 100lb at market price.**

P.-W.'s Mixture No. 2. For Light, Sandy Soils—Consisting chiefly of Kentucky Blue Grass, Bromus Inermis, White Clover. Sow 30 pounds per acre. **Pound, 45c, Postpaid. Not prepaid, 10lb, $3.25; 100lb, Market Price.**

P.-W.'s Mixture No. 3. For Low and Moist Soils—Consisting chiefly of Red Top, Perennial Rye Grass, Meadow Fescue, Timothy, Alsike Clover, White Clover, Orchard Grass. Sow 25 pounds per acre. **Pound, 45c, Postpaid. Not prepaid, 10lb, $3.25; 100lb at market price.**

P.-W.'s Mixture No. 4. For Marsh, Wet or Boggy Soils—Consists chiefly of Red Top, Perennial Rye Grass, Creeping Bent Grass, Alsike Clover. Sow 40 pounds per acre. **Pound, 45c, Postpaid. Not prepaid, 10lb, $3.25; 100lb, market price.**

If your soil does not come under any of the above classes, please write the particular character of your soil and we shall be pleased to name price of mixture best suited.

A Field of P.-W.'s Swedish Select Oats, Without Doubt the Best for Western Conditions

FARM SEEDS

Prices do not include delivery, except where noted. Write for special quotations.

Barley

Sow 60 to 90 pounds per acre; on dry land 40 to 50 pounds.

Club or Brewer's Barley—10lb, 60c; 100lb at market price.

Naked, Beardless or White Hulless—No beard, shells hull like wheat. **10lb, 60c; 100lb, market.**

Blue or Feed Barley—10lb, 50c; 100lb at market price.

Emmer or Speltz

A valuable grain from Russia, adapted to a wide range of soil and climate, and is of superior feeding value, yielding much more heavily than oats and barley. In the green state it makes excellent pasture. **Lb., 10c; 100lb., market price.**

Feterita

From 20 to 30 days earlier than Kaffir Corn, makes good fodder; in some instances made an excellent yield of grain without having received any rain from the day it was planted until it was harvested. **Lb., 15c; 100lb at market price.**

Kaffir Corn

Is unsurpassed for dry alkali land, on which no better fodder and grain crop grows. **Lb., 15c; 100lb at market price.**

Millet

Common—Very early; abundant. **Lb., 10c; 100lb at market price.**

Liberty—A valuable fodder plant. Makes excellent hay. Sow 25 pounds to the acre. **10lb, $1.50; 100lb at market price.**

Billion Dollar Grass or Japanese—Great claims are made for it as to productiveness and value as a forage plant. Sow 40 pounds per acre. **10lb, $1.50; 100lb at market price.**

Oats

Swedish Select—A very hardy variety specially recommended. The grain is plump, white and very heavy, averaging 40 pounds per bushel. **10lb, 50c; 100lb at market price.**

New Kherson—Sometimes called "90-day oats," as it has ripened crops in 80 to 90 days. Best variety to grow in short season districts. **10lb, 50c; 100lb at market price.**

Rape

Dwarf Essex—The fattening properties of Rape are much better than those of clover; makes splendid green feed for poultry. Rape is best sown in drills, at the rate of three to five pounds per acre, or it can be sown broadcast, when from six to eight pounds per acre should be used. **10lb, $1.75; 100lb at market price.**

Rye

Sow 60 to 80 pounds per acre; on dry land 30 to 40 pounds.

Fall or Winter—A good crop for early fall or spring pasture. **10lb., 50c; 100lb., market price.**

Liberty Rye—Same habits as regular fall rye except larger heads and kernels. Yields from 30 to 50 per cent larger crop than the ordinary variety. **10lb., 75c; 100lb., market price.**

Spring Wheat

Early Bart—Leading spring wheat to date, not only for the dry farm, but on irrigated farms as well. It is a large, white-berried, bearded variety of finest milling quality. **10lb, 75c; 100lb at market price.**

All Standard Varieties (Marquis, Blue Stem, Dicklow, Club, Sonora, etc.)—Sow 60 to 80 pounds per acre on irrigated land; 40 to 50 on dry land. **10lb, 60c 100lb, market price.**

Since the prices on all farm seeds fluctuate greatly always write for special quotations on quantities.

FARM SEEDS—(Continued)

Sudan Grass

Sudan is a tall annual grass, reaching to a height of from seven to nine feet when planted in rows and allowed to mature for a seed crop; broadcasted and cut "in the bloom" for hay, about four feet. It dies each year. It stools freely, throwing out stems from one crown. Sudan Grass is easily injured by frost and therefore should not be planted until all danger of frost is past.

For a combined hay and seed crop plant in rows, thirty-six inches apart using about two pounds of seed; where irrigated, plant in rows eighteen inches apart, using from 4 to 6 pounds per acre.

When cut for hay it yields an immense tonnage of excellent feeding quility. **Price, 1 lb. 40c, postpaid; 10 lb. $3.00, not prepaid.**

Sorgum

Early Amber—Furnishes a large yield of most nutritive forage, which can be fed either green or cured, and will yield two or three cuttings a year. Broadcast for forage at the rate of 60 pounds per acre. When sown in drills, sow at the rate of 10 pounds per acre in drills three and one-half to four feet apart. **Lb. 25c, postpaid; Not prepaid, 10 lb. $1.25; 100 lb. at market price.**

Chinese Drip Sorgum—Splendid new variety, very prolific, vigorous; especially desirable for making molasses. Being a heavy cropper it is equally well adapted for fodder and ensilage. Don't fail to give it a trial. **Lb. 30c, postpaid. Not prepaid, 10 lb. $1.75; 100 lb. at market price.**

Field Peas

Most valuable farm crop for dairy or ranch. Sow in early spring, 40 to 50 lbs. per acre. Treat seed with Farmogerm for increased yield.

Canada Field—This is a small-seeded, very hardy pea, vigorous, thrifty, growing 5 to 6 feet; very productive. Can't be beat for all purposes. **Lb., 20c, postpaid. Not prepaid, 10 lb, $1.00.**

San Luis Valley—This Colorado stock pea is a hybrid. The seed has the appearance of a mixed sort, and is well acclimated, hardy, growing until late fall to length of four to six feet. Vine continues to blossom as it grows, ripening peas on the lower branches and setting more pods above. They can be grown and do well at an altitude of 9,000 feet. **Lb., 20c, postpaid. Not prepaid, 10 lb, $1.00; 100 lb at market price.**

Salt Bush

Australian (Atriplex semi-baccatum)—Will grow on alkaline soil. Much relished by stock, supplying the necessary salt. One pound of seed to the acre if sown brodacast four ounces if transplanted. In cutting fodder be careful not to injure crown of the plants. **Lb., 75c, postpaid.**

Spring Vetch

Valuable for both soiling and as a cover crop. Sow 60 to 75 pounds per acre. Write for prices.

Write for Special Quantity Prices on All Farm Seeds.

P.-W.'S SILO CORN

A few years ago silos were almost a novelty here in the Mountain States, but there has been such a marvelous awakening, especially among the dairy farmers, that it will soon be a rare thing to find an up-to-date dairyman in this section without one. The wonderful advantages of ensilage will not be confined alone to the dairyman, but as cattle and sheep raising becomes more generally confined to the farm, ensilage will be the one great solution of the feeding problem.

In general, the advantages of a silo are so many that it is a necessity on every farm where any livestock is kept. The best recommendation for the silo is the one all users give it, they don't see how they ever got along without it.

Of all the crops useful for ensilage, Corn is the most largely used and without doubt the most profitable. Alive to this situation, we have made Ensilage Corn a specialty and we are now able to offer our customers the most profitable varieties adapted to the climatic conditions of various sections of the West. See next page.

Planting—Generally speaking, the seed should be sown in drills 3 feet apart, using 15 to 40 pounds of seed per acre, depending not only on the soil, but also for the purpose for which the silage is to be used. Whenever less grain and more bulk is desired, more seed may be planted to the acre, giving a greater amount of leaf and stalk but less ear corn.

Cutting the Corn—The proper time to cut corn for silo filling is when the kernels are well dented and almost mature. The lower leaves are turning brown at this time but the stalks are still green and contain a large amount of succulence.

If cut immature and green, the silage will be sour and become too laxative, neither does it have the feeding value of matured corn.

SILO CORN—(Continued)

P.-W.'s Silo Corn No. 1

P.-W.'s Silo Corn No. 1

"Once Sown, Always Grown"

This variety is the heaviest yielding corn for ensilage ever introduced in the Mountain States. It is positively the earliest of the tall-growing large yellow Dent corns in cultivation. It is our own selection from Improved Leaming and will mature its grain in 100 days, even under unfavorable conditions; and about 90 days where climatic conditions are suitable. Planters in any section with a growing season of about 80 days between Spring and Fall frosts will be safe for ensilage. Produces an immense tonnage of fodder per acre. All things considered, we are justified in saying it stands far above all other varieties for ensilage purposes in the West. You will never regret giving it a trial this year.

Cultural Directions—Page 30. For price see below.

"Pride of the North" as It Grows in Idaho

P.-W.'s Silo Corn No. 2

P.-W.'s Silo Corn No. 2

This is a shorter growing variety than P.-W.'s Mountain States Silo Corn No. 1, the height ranging from 8 to 12 feet, depending upon soil and other conditions. Consequently the fodder tonnage is less, but it makes up this loss to a large degree in the increase of grain yield. This increased grain feature appeals strongly to those who are using ensilage for fattening cattle and sheep. Many dairymen also, who wish a stronger grain ration use it in preference to our No. 1. We recommend it for districts where the growing season is short, as it will mature on an average of about 10 days earlier.

Cultural Directions—Page 30. For price see below.

Red Cob Ensilage—A pure white corn on a red cob. It is sweet, tender, juicy, has short points and produces an abundance of foliage. Every dairy farmer should grow this sort for summer fodder; it will keep up the flow of milk during the hot weather. See below for price.

Australian White Flint (90 days)—The earliest and surest variety. Will endure more drouth and cold than any other variety known. Grows to a height of six to ten feet. Price, see below.

P.-W.'s Improved Leaming—This is one of the earliest large yellow Dent corns in cultivation, ripening in 90 to 100 days from planting. It is extra early, and not a hard flinty corn. It has no equal to date that is so well adapted to the Rocky Mountain States. Price, see below.

Minnesota No. 13—The ears are of handsome appearance bearing 16 to 20 rows of bright, rich yellow, smooth, Wedge-shaped kernels packed closely on the cob from butt to tip. The ears average eight inches in length and are borne usually two on a stalk. Matures in ninety days.

Pride of the North—An exceptionally early Dent variety. Stalks of medium height with broad leaves. The ears, which average 8 to 10 inches in length, have from 12 to 16 rows. Grains long and deep yellow. For cold valleys where seasons are short it cannot be beat.

Price by mail postpaid, lb, 20c. Not prepaid, lb, 13c; 10 lb, $1.00. Ask for Quantity Prices.

P.-W.'s Lawn Seed Used for Utah State Capitol Grounds
Thousands have admired the beautiful velvety appearance and marveled at the quick, thrifty growth.

LAWN SEED

The ground should be well spaded and thoroughly raked, so that the soil is fine and free from lumps and its surface smooth, even and firm. If a thick, heavy sod is wanted quickly, seed should be sown at the rate of one pound to 150 to 200 square feet. It takes twice as much seed to make a lawn as it does for raising hay and it frequently happens that good results are not obtained on account of scanty seed. After sowing, seed should be well raked in, and on a light sandy soil, well rolled. Heavy soils do not require much rolling when grass is established. The lawn may be much improved by rolling after each cutting. The best time to sprinkle is early in the evening. Lawns always do best if seeded in early spring or latter part of August, but when necessary to seed in midsummer it will be advantageous to sow a little oats with the lawn seed to protect the tender grass from the intense heat of the sun. The weeds and foul grass, which most soils produce, can be kept down and destroyed by repeated mowing. The seed offered on this page has been most carefully selected and none better can be obtained anywhere.

P.-W.'s Velvet Green Lawn Mixture

The best lawn seed experience can suggest of that money can buy. Produces a beautiful, permanent lawn in four to six weeks. The most important thing to consider in selecting seeds for lawn grass is to obtain proper mixture of several varieties, for two reasons: First, each variety is at its best during a certain part of the season. By properly choosing early, medium and late grasses a smooth, even green lawn is assured from early spring to late autumn. Second, a given area can support so many grass plants of one kind, for all absorb the same sort of food, but if several varieties are sown the same area will support many more plants, as different sorts live on various elements in the soil. This will give a much thicker and more luxurious turf all over the lawns. With these facts in mind, our P.-W.'s Velvet Green Lawn Seed is scientifically combined. Our experience has given us an intimate knowledge of grasses, their habits and requirements. In P.-W.'s Velvet Green Grass Seed are included only the very best varieties—pure, clean and free from foul seed. Sow at rate of one pound to 200 square feet. **Price: lb, 80c; 3lb, $2.25, Postpaid. Not prepaid, 10lb, $7.00.**

Kentucky Blue Grass

Our stock is extra fancy recleaned heavy seed. The purest and cleanest obtainable. **Lb., 75c; 3lb, $2.10. Postpaid. Not prepaid, 10lb, $6.50.**

White Clover

First class recleaned seed. Specially selected for lawn use. **Lb., 90c, Postpaid. Not prepaid, 10lb, $8.50.**

P.-W.'s "BIG FOUR" FLOWER SEED COLLECTIONS

The collections offered below are made up of only tried and choice varieties, carefully selected to furnish varied, profuse and continuous display of flower throughout the season. As they are put up in advance of our rush season, no changes can be allowed at the reduced prices at which they are sold. Like all other seeds we send out under P.-W.'s label, these seeds are fresh and of highest purity and germination. Cannot fail to please you in every way.

Collection No. 1

ANNUAL FLOWER SEEDS

For Gardens, Beds, Borders, etc.

1 Pkt. Each of Kinds Enumerated Below $1.00—(Regular Price $1.50) Postpaid.

Ageratum—Compact bushes, 8 inches high, blue flowers.
Alyssum, Little Gem—An improved Sweet Alyssum.
Aster, P.-W.'s Giant Branching—Mixed colors.
Calliopsis, Golden Wave—Large flowers, freely produced.
Candytuft—Hyacinth-like spikes of white flowers.
Celosia—Brilliantly showy.
Cosmos, Giant Flowering—Mixed, fall-flowering, fine.
Dianthus, Double Pink—Colors, edged and marbled.
Eschscholtzia, Golden West—California poppies.
Hollyhock, Annual Ever-Blooming—Mixed colors.
Larkspur, Giant Hyacinth Flowered—Large, showy spikes.
Marigold—Mixed; Improved African.
Mignonette—Large spikes of fragrant flowers.
Nasturtiums, Giant Flowering Dwarf—Various colors.
Petunia, Large Flowering—Single mixed, blotched, striped.
Phlox Drummondii, Large Flowering—Mixed, improved.
Poppy, Giant Double—Brilliant mixture, immense flowers.
Salvia, Scarlet Sage—Vivid scarlet.
Scabiosa, Double—Mixed colors, large flowering.
Stocks, Large Flowering Dwarf, Double—Ten weeks, mixed.
Sweet Peas, Giant Spencer—Mixed.
Verbena, Mammoth—Mixed, large flowers.
Zinnia, Large Double—Mixed colors, immense flowers.

Collection No. 2

SEEDS OF HARDY CLIMBERS

(For Permanent Positions)

One Pkt. Each of Kinds Enumerated Below, 25c Postpaid.

Ampelopsis Veitchii (Boston Ivy)—Clings to walls, etc.
Aristolochia Sipho—Dutchman's Pipe vine.
Bigonia Grandiflora—Trumpet Creeper, forty feet.
Clematis Paniculata—Mass of star-like flowers.
Kudzu Vine—Grows rapidly, pea shaped purple flowers.
Lathyrus Latifolius (Everlasting Pea)—Mixed colors.

Collection No. 3

HARDY PERENNIAL FLOWER SEEDS

For Gardens, Borders and Groups

One Pkt. Each of Kinds Enumerated Below, $1.00 Postpaid (Regular Price $1.50)

Achilles Ptarmica, fl. pl.—Double white flowers, profuse.
Alyssum Saxatile Compacta—Spring blooming.
Aquilegia of Columbine, Hybrids—Beautiful new colors.
Asters, Hardy—Improved Michalemas Daisies.
Canterbury Bells—The "Cup and Saucer" type.
Candytuft Gibraltica—Rose and white, hardy.
Coreopsis Lancelata, Harvest Moon—Golden yellow.
Delphinum, Large Single Hybrids—Mixed coolrs.
Dianthus Plumarius, Double Mixed—Grass Pinks.
Digitalis Mixed—Foxglove, various colors.
Gaillardia Grandiflora, Mixed—Red, yellow, etc.
Hollyhock, Double—Beautiful mixed colors.
Pansies, Finest Mixed—Beautiful colors.
Poppy, Hardy Oriental Hybrids—Mixed, immense flowers.
Pyrethrum, Large Flowering Hybrids—Mixed, beautiful blue.
Scabiosa Caucasia—Saucer-shaped.
Sweet William, Large Flowering—Single mixed.
Wall Flower, Double—Mixed colors, fragrant flowers.

Collection No. 4

SEEDS OF CLIMBING ANNUALS

One Pkt. Each of Kinds Enumerated Below, 50c Postpaid.

Balloon Vine—White flowers, ten feet.
Canary Bird Vine—Yellow, butterfly-like flowers, 15 feet.
Cobocea Scandens—Beautiful, rich blue flowers, 20 feet.
Cypress Vine, Mixed—Feathery foliage, star-shaped flowers.
Dolichos—Wistaria-like clusters of crimson flowers, 10 feet.
Humulus, Variegated—Foliage striped, 20 feet.
Moon Flower Vine—Immense white flowers, 50 to 75 feet.
Morning Glory, Imp. Jap. Mixed—Magnificent colors.
Nasturtium, Climbing, Mixed Colors—New colors, 10 feet.
Sweet Peas, Grandiflora, Mixed—Finest strain.

ASTERS*

Of our list of flowers from seed there is now none more popular and genreally satisfactory than the Aster, and during the past few years it has grown greatly in the public esteem, owing to the rich colors of its perfectly double flowers, its numerous forms and free-blooming. Sow seed early and give deep, rich soil, with plenty of mulching.

For best results sow seed early indoors, then transplant to open ground.

Improved Giant Crego*

This flower is giant in size, many blossoms six inches across. The petals are nearly double the length of the older varieties and are twisted and curled into a very fluffy effect. Considered by many the best Aster yet intrdouced. In our estimation they supercede the Ostrich Feather, which we have discontinued.

White, Shell Pink, Crimson, Dark Blue, Purple.
Each of the above: **¼ oz., 50c; pkt., 10c.**
All colors mixed: **Pkt., 10c; ¼ oz., 40c.**

King*

The habit is similar to the popular Giant Branching, vigorous in growth, long stems. In form petals somewhat resemble the quilled varieties, but are much larger and broader. In shape and size the bloom is round, full and very large.

White, Pink, Rose, Crimson, Violet, Lavender.
Each of above: **Pkt., 10c; ¼ oz., 45c.**
All colors mixed: **Pkt., 10c; ¼ oz., 40c.**

Queen of the Market*

The earliest flowering first-class Aster, coming into flower in July, or fully three weeks in advance of the general run; of branching habit; flowers of good size and borne on long stems, making them exceedingly valuable for cutting; excellent for growing under glass; one foot.

White Lavender Light Blue
Flesh Pink Crimson Purple
Each of above: **Pkt., 10c; ¼ oz., 45c.**

P.-W.'s Giant Branching

Giants in size, marvels of beauty. Plants are compact and bushy, 24 to 30 inches high with from 20 to 30 blossoms, each three to five inches across; form, shape and color resemble chrysanthemums. Distinct shades, Autumn flowering.

White Lavender Light Blue
Flesh Pink Crimson Purple
Each of above: **Pkt., 10c; ¼ oz., 45c.**
All colors mixed: **Pkt., 10c; ¼ oz., 40c.**

Peony-Flowered*

A mid-season variety which in vigor, growth, habit, size and all other qualities is unequaled. Plants grow about 18 inches high the flowers being borne on a long stem. Valuable for either cutting or bedding. **Mixed, Pkt., 10c; ⅛ oz., 30c.**

Hardy Aster (Perennial)‡

Michaelmas Daisies—Single flowered, hardy herbaceous plants thriving in any good garden soil. If sown early in the spring they will flower the first season. **Pkt., 10c; ⅛ oz., 50c.**

P.-W.'s Special Mixture Dwarf Asters*

This is comprised of distinct and most desirable varieties of Early Dwarf Asters. The effect will surely please. **Pkt., 10c; ¼ oz., 35c.**

P.-W.'s Special Mixture of Tall Asters

Hade up of many varieties and colors of tall growing asters, specially combined to give a succession from early summer until late fall. **Pkt., 10c; ¼ oz., 35c.**

Canterbury Bells

Giant Hyacinth Candytuft

ANTIRRHINUM

(Snapdragon)*

A valuable flower which can readily be grown from seed. We offer two distinct types, the large-flowering, tall-growing, or giant, and the equally large-flowered, half-dwarf variety, practically the same colors in both. Sow seed out of doors the first week in May; come into bloom early in July, remaining in full flower until November. For earlier flowering, start indoors or in a frame in March, transplanting to the open when weather is suitable.

Tall Giant Flowering—20 to 30 inches.
Scarlet White Yellow Pink

Each of above: **Pkt., 10c; ⅛ oz., 30c.**

Tall Giants—Mixed colors. **Pkt. 10c; ⅛ oz., 25c.**

Half-Dwarf Giant Flowering—About 16 in.
Scarlet White Yellow Pink

Each of above: **Pkt., 10c; ⅛ oz., 30c.**
All colors mixed: **Pkt.. 10c; ⅛ oz., 25c.**

	Pkt.	¼ oz.
Abronia (Umbrelata Grandiflora)	10c	20c
Acanthus (Latifolius)	10c	20c
Achillea (The Pearl)—White flower	15c	1.00
Acrolinium—Everlasting dbl., mxd	5c	10c
Acrolinium—Everlasting single, mxd	5c	10c
Adonis—Feathery foliage, red flowers	5c	10c
Ageratum—Blue, white and mixed	5c	25c
Alyssum, Little Gem—Dwarf, white	5c	20c
Alyssum—Sweet, white	5c	10c
Alyssum, Saxatile Comp.—Hardy yel	5c	30c
Amaranthus, Tricolor—Joseph's Coat	5c	25c
Amaranthus—Love Lies Bleeding	5c	10c
Amaranthus—Princess Feather	5c	20c
Ampelopsis—Boston Ivy	5c	20c
Aquilegia—Columbine, double mxd	5c	25c
Aquilegia—Columbine, single mxd	5c	20c
Aristolochia Sipho—Dutchman's Pipe	10c	.....
Balloon Vine—Climber, flowers white	5c	20c
Balsam—Double Camelia, mixed	10c	20c
Begonia—Semperflorens, mixed	10c	.....

CANDYTUFT

A hardy annual, growing about six to eighteen inches high, according to variety. Blossoms are borne in long spikes, and the newer varieties are quite large, flowering and and very fragrant.

Umbellata Crimson—Rich deep shade. **Pkt., 5c; ½ oz., 20c.**

Umbellata Pink—Deep rose-pink. **Pkt., 5c; ½ oz., 20c.**

Giant Hyacinth-Flowered (White)—One foot. The flower heads are of immense size. **Pkt., 5c; ½ oz., 35c.**

All Colors and Types Mixed—Pkt., 5c; ½ oz., 20c.

‡Gibraltarica—Lilac, shading off to white. **Pkt., 10c; ⅛ oz., 35c.**

‡Sempervirens—Pure white. **Pkt., 10c; ⅛ oz., 35c.**

	Pkt	¼ oz.
Begonia—Tuberous rooted, double	25c	.....
Begonia—Tuberous rooted, single	25c	.....
Bignonia Radicans—Trumpet Vine	5c	.....
Calliopsis—Golden Wave, yellow	5c	20c
Calliopsis—All colors mixed	5c	10c
Calendula, Orange King—Orange red	5c	20c
Calendula—Double, all colors	5c	10c
Canary Bird Vine—Yellow climber	5c	10c
Canna—Giant flowered, mixed	5c	10c
Canterbury Bells—Single mixed	5c	15c
Canterbury Bells—Double mixed	10c	75c
Canterbury Bells—Cup and Saucer	10c	70c
Cardinal Climber—Red climber	15c	1.00
Carnation—Chabaud's mixed	10c	1.00
Carnation—Marguerite, mixed	10c	1.00
Castor Bean—Many sorts mixed	5c	10c
Cobea Scandens—Cathedral Bells	5c	30c
Celosia—Coxcomb, dwarf mixed	5c	50c
Celosia Plumosa—Plumed, feathered	5c	35c
Centaurea Cyanus—Bachelor Button	5c	15c
" **Imperiales**—Sweet Sultan	5c	25c
" **Gymnocarpa**—Perennial	10c	50c
" **Candidissima**—Dusty Miller	10c	1.00
Clematis—Large flowering, mixed	10c	75c
Chrysanthemum—Double white	10c	50c
Chrysanthemum—Double, mxd. colors	5c	25c
Chrysanthemum—Single, mxd. colors	5c	15c
Coleus—New hybrids	25c	.....
Coreopsis, Lanceolata—Golden yellow	10c	20c

New Giant Double Crested Cosmos

COSMOS

Three to six feet high; finely cut foliage. From September until November each plant is covered with hundreds of showy blossoms, two inches in diameter, pure white, flesh color, charming light pink and deep rose in color.

Giant Flowered—Mixed. **Pkt., 5c; ¼ oz., 15c.**

Early Giant-Flowering Hybrids—Mixed. **Pkt., 5c; ¼ oz., 15c.**

New Giant Double Crested Cosmos—A most beautiful novelty. See above cut. Mixed colors. **Pkt., 10c; ¼ oz., 50c.**

Mammoth Double Daisy (Montrosa)

	Postpaid	Pkt.	Oz.
Gourds—Small fruited, mixed		5c	25c
Gourds—All varieties, mixed		5c	25c
Grasses—Ornamental, mixed		10c	75c
Helianthus — Double Chrysanthemum Sunflower		5c	45c
Helianthus—Mammoth Russian		5c	15c
Hesperis—Sweet Rocket, mixed		10c	50c
Helichrysum—Everlasting, double		10c	.....
Hop, Japanese—Rapid climber		5c	60c
Hop, Japanese—Variegated		10c	90c
Hibiscus—Giant Mallow Marvels		10c	50c

	Postpaid	Pkt.	Oz.
Cyclamen—Mixed Persian violets		10c	.....
Cyclamen—Giant flowered mixed		15c	.....
Cypress Vine—Mixed		5c	45c
Dahlia—Best double mixed		15c	.....
Dahlia—Double Cactus, mixed		15c	.....
Daisy—Double mixed		10c	.....
Daisy—Montrosa, double mixed		15c	.....
Daisy—Shasta, Alaska, white		10c	.....
Digitalis—Foxglove, mixed		5c	1.00
Dolichos—Hyacinth Bean, mixed		5c	20c
Eschscholtzia—			
California Poppy, yellow		5c	40c
California Poppy, white		5c	40c
California Poppy, single mixed		5c	35c
California Poppy, double mixed		10c	80c
California Poppy, new, large flower		10c	1.00
Forget-Me-Not—Delicate blue		10c	.....
Four-o'Clock—Mixed colors		5c	20c
Gallardia—Single or double, mixed		5c	40c
Gallardia—Hardy double mixed		10c	75c
Godetia—Many sorts mixed		5c	1.00
Godetia—Dwarf sorts mixed		5c	75c
Golden Rod		5c	.....
Gypsophillia—Annual mixed		5c	25c
Gypsophillia—Perennial mixed		5c	75c

DIANTHUS

(or Pinks)

Annual Varieties*

The family of pinks is unrivaled for brilliancy and rich variety of color. Height about one foot.

Chinesis Fl. Pl. (China or Indian Pink)—Flowers very double and in a large range of bright colors. **Pkt., 5c; ¼ oz., 25c.**

Lancinatus Fl. Pl. (Double Fringed Pink)—Large double, shows flowers with fringed edges, in a great variety of colors, including beautifully striped sorts, mixed colors. **Pkt., 5c; ¼ oz., 40c.**

P.-W.'s Special Mixture of Double Pinks—Selection of the best double pinks in cultivation. **Pkt., 10c; ¼ oz., 40c.**

Special Mixture of Single Pinks—Choice sorts, beautiful colors. **Pkt., 10c; ¼ oz., 25c.**

Perennial Varieties

Plumarius, Clove or Grass Pinks—Ten inches. These very desirable, sweet-scented, low-growing, early-blooming and free-flowering, hardy garden pinks are unequaled for the border of beds, automobile drives.

Single Mixed—Delicately fringed flowers. **Pkt., 5c; ¼ oz., 20c.**

Flore Pleno, Double, Mixed (Pheasant's Eye)—**Pkt., 10c; ¼ oz., $1.00.**

Double Hollyhock

HOLLYHOCK

Five feet. A hardy perennial of unright, stately growth, five to eight feet high. The very double varieties are the most desirable, but the newer semi-double, fringed types are also very popular.

Double Mixed—Choicest Imported Collection. Pkt., 10c; ⅛ oz., 25c.

Semi-Double—Flowers with frilled edges. Pkt., 10c; ⅛ oz., 20c.

Postpaid.	Pkt.	Oz.
Ice Plant—Foliage frostlike	5c	$0.70
Jobs Tears—Ornamental Grass	5c	.15
Kochia—Mexican Fire Bush	5c	.40
Lavender—Sweet	10c	.80
Lobelia—Cryastal Palace, dark blue	10c	3.00
Lobelia—Mixed dwarf	5c	1.50
Marigold—Dwarf French, dbl. mxd	5c	.45
Marigold—Dwarf African, dbl. mxd.	5c	.45
Marigold—Tall African, dbl. mxd	5c	.45
Marigold—Orange Ball, tall	10c	.90
Matricaria—Feverfew	10c	2.50
Mignonette—Matchet, dwf., edging	5c	.90
Mignonette—Sweet scented	5c	.25
Morning Glory—Climbing, mixed	5c	.20
Morning Glory—Japanese, mixed	5c	.25
Moonflower—Mixed	10c	.50
Nicotiana—Sanderae Hybrids	10c	.60
Nigella—Mixed colors	5c	.35
Nigella—Miss Jekyll	10c	.50

Larkspur, Giant Hyacinth, Flowered

LARKSPUR

(Delphinum)

(Perennial Varieties)

The hardy varieties are of great beauty in the border or among shrubs. The brilliant flower spikes can be seen from quite a distance and are very effective. If sown early many varieties will bloom the first year. They will bloom almost continually if the flowers are cut as they fade.

Chinese Album Grandiflorum—White. Two feet. The stems have many lateral branches with large single flowers. Leaves deeply lacinated. Pkt., 10c; ¼ oz., 40c.

Chinese Azureum Grandiflorum—Blue. Pkt., 10c; ¼ oz., 40c.

Formosum—Three feet. Deep blue, white eye, open spike. Pkt., 20c; ⅛ oz., 65c.

Belladona Hybrids—Mixed, all shades of blue; finest of all. Pkt., 20c; ⅛oz., 75c.

(Annual Varieties)

The Annual Larkspur is one of the most handsome and useful of plants for the large garden.

Double Dwarf Rocket Mixed—Beautiful spikes of double flowers in many shades. Hardy annual. One foot high. Pkt., 5c; oz., 30c.

Tall Hyacinth, Flowered, Mixed (Consolida Fl. Pl.)—Flowers double, borne on spikes about fifteen inches long. Colors, rose white and shades of blue. Hardy annual. Two feet high. Pkt., 5c; oz., 30c.

THOUGH YOUR HOUSE BE A MANSION IT IS NOT A "REAL HOME" WITHOUT FLOWERS

Let Prof. L. H. Bailey of Cornell suggest where to plant them; he says: "In front of bushes, in the corner by the steps, against the foundations of the residence or the outhouse, along a fence or walk—these are the places for flowers. The flower garden should be at one side of the residence or rear. The size of the garden and the things to be grown in it must be determined by the desire of the person and the amount of time and land at disposal. Prepare the land thoroughly, fertilize it, choose the kind of plants you like, then go ahead."

P.-W.'S LARGE FLOWERING NASTURTIUMS

There are few flowers so easily grown as Nasturtiums and, unlike most flowers, they grow and bloom best on poor, sandy soil. The Dwarf or Tom Thumb varieties grow one foot high and they are very desirable for bedding, bordering or window boxes. The tall Nasturtium is a favorite climber for covering fences, rockeries, etc., while both are good for cutting and vase decoration. Our strains of both tall and dwarf Nasturtiums are noted for their large and beautiful flowers and great diversity of rich and brilliant colors. Sow the seed in open ground after danger of frost is over.

P.-W.'s Superb Mixture Dwarf Nasturtiums—This mixture includes many of the named varieties, as well as a score of others. For a mixed border of bedding, where no definite color scheme is desired, none more desirable could be obtained. **Pkt., 5c; oz., 15c; ¼ lb., 40c.**

P.-W.'s Superb Mixture Tall Nasturtiums—Comprising a selected combination of varieties and colors, including many of the choicest standard varieties as well as Trial Ground Mixture of Novelties. **Pkt., 5c; oz., 15c; ¼ lb., 40c.**

P.-W.'s Large Flowering Nasturtiums

P.-W.'s Giant Flowering Single Fringed Mixed—Superb strain of finely fringed flowers, measuring over four inches in diameter; remarkable brilliancy and variety. **Pkt. 25c.**

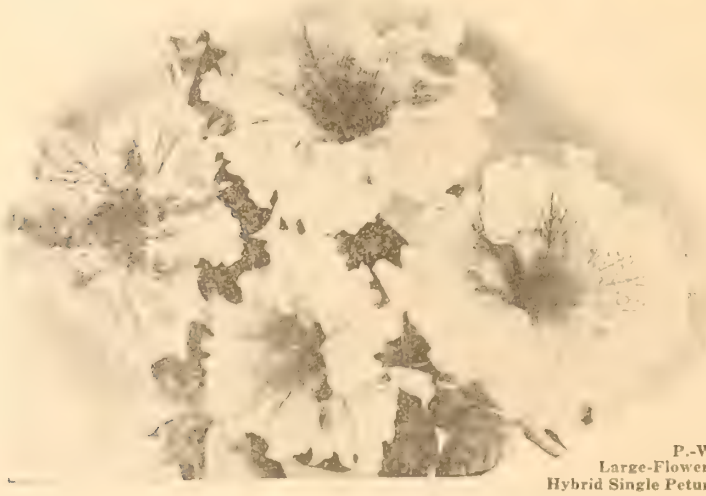
P.-W.'s Giant Flowering Double Fringed Mixed—Large, double and fringed flowers of brilliant color. Very desirable. **Pkt., 25c.**

Hybrid Nana Compacta—Dwarf, neat, compact bushes 12 to 15 inches high, covered with a multitude of flowers all summer. Mixed and colors. **Pkt., 10c; ⅛ oz., 40c.**

P.-W.'s Best Large Flowering Hybrids, Single Mixed—Including named sorts. This will certainly please for bedding purposes. **Pkt. 10c; ⅛ oz. 30c.**

PETUNIA

One of the best flowers for a splendid display throughout the entire season. Beautiful, new colors, striped and marked in the most diversified manner. The ease of culture, profuse and continuous bloom, adoption for different styles of grwoth—indoors and in the garden—render the Petunia one of the most valuable of the annuals and entitled to the generous share of the garden.



P.-W.'s Large-Flowering Hybrid Single Petunias

PEAS, EVERLASTING

(Lathyrus Latifolius)

Eight feet. Perennial climber producing for many weeks a succession of blossoms in clusters of eight to ten; abundance of foliage and blooms. Plants die down late in the fall and start again in the spring. Sow seed in open ground. **All Colors Mixed—Pkt., 10c; ½ oz., 50c.**

*Annuals. ‡Perennials.

P.-W.'s Superb Pansies

PANSIES

All our Pansy Seed is obtained from the most noted specialists, and we claim that seed obtained from us will produce flowers of unsurpassed size and form, beauty of markings, and brilliancy of colors and shades.

Pansy seed germinates and the plants grows more freely in the cool, early days of spring, and for summer blooming should be sown by April, and blooming plants will be produced by the last of June. About the middle of August is the best time for starting Pansy seeds for early spring blooming, as it allows the plants to go into winter in vigorous condition.

Special Pansy Mixtures

Bugnot Giant Mixture—Of enormous size and circular form, the petals are of great substance and velvety appearance, each bearing a large, deeply colored blotch that runs in delicate veins to the edge. **Pkt., 10c; ⅛ oz., 50c.**

Cassiers 3 and 5 Blotched—Mostly light shades with dark blotches. **Pkt., 10c; ⅛ oz., 50c.**

Giant Trimardeau—Flowers mostly marked with three large blotches or spots. **Pkt., 10c; ⅛ oz., 25c.**

P.-W.'s Superb Mixed—This strain comprises a beautiful collection of colors and markings and is our finest mixture, both as regards size, texture and colorings. **Pkt., 10c; ⅛ oz., 75c.**

English Finest Mixed—Pkt., 10c; ¼ oz., 50c.
Finest French Mixed—Pkt., 10c; ¼ oz., 50c.

Postpaid Prices	Pkt.	¼ oz.
Phlox—Large flowering mixed	10c	$0.75
Phlox—Dwarf, finest mixed	10c	1.00
Phlox—Perennial, mixed colors	10c	1.25
Portulaca—Single, mixed colors	5c	.40
Portulaca—Double, mixed colors	10c	1.00
Primrose—Chniese, choice mixed	25c	.....
Primrose—Polyanthus (Cowslip)	10c	.....
Pyrethrum—Golden Feather	10c	.25
Pyrethrum—Roseum Hybridum	15c	1.00
Salpiglossis—Large flowering	5c	.40
Salvia—(Scarlet Sage) Splendens	10c	.75

POPPY

A hardy annual, three to five feet high and bearing single and large double blossoms in bright colors. Sow seed in open ground where plants are to remain, and thin from six to twelve inches, depending on variety.

Double Varieties

Mikado (Striped Japanese Poppy)—Very distinct in character and color. **Pkt., 5c; oz., 35c.**

Carnation Flowered—Splendid double fringed, mixed colors. **Pkt., 5c; oz., 35c.**

Paeony Flowered—Large, showy, double globular flowers, resembling a double peony, mixed colors. **Pkt., 5c; oz., 30c.**

New Double Shirley (Eldorado) See cut, Page 40—A double form of single Shirley Poppy and of similar habits. A distinctive feature is the wonderful new color tints and shades. **Pkt., 10c; ¼oz., 25c.**

Double Mixed—All colors. **Pkt., 5c; ½ oz., 15c.**

Single Varieties

Tulip Flowered—Intense scarlet, single blossoms. Plant about two and one-half to three feet high. The brightest colored of all poppies. **Pkt., 5c; ¼ oz., 25c.**

Shirley—A most beautiful type. Soft, hairy foliage, and an immense variety of single blossoms in white, pink, lavender, purple, shades of red, and scarlet; mixed. **Pkt., 5c; ½oz., 20c.**

Single Mixed—Annual sorts. **Pkt., 5c; ½oz., 15c.**

Perennial Varieties

Hardy perennial, of easy culture; in bright, glowing solors. Blooms first year from seed.

Nudicaule Single Mixed Iceland Poppy—One foot. Produce flowers the first year from seed. Colors range from the purest white to the deepest orange scralet; delicious fragrance. **Pkt., 5c; ¼ oz., 40c.**

Orientale (Oriental Poppy)—Three feet. A showy perennial, enormous scarlet flowers with purple centers. Leaf long, deeply cut and clothed with white, bristly hair. Beautiful among shrubs and other perennials. **Pkt., 5c; ¼oz., 30c.**

STOCKS

(Gilliflower)*

The Stocks is one of the most popular annuals either for bedding or pot culture. For brilliancy and diversity of color, fragrance, profusion and duration of bloom it is unsurpassed.

P.-W.'s Giant Double Ten Week Stocks—Splendid perpetual blooming class. Sow in March or April; they begin flowering in July, continuing until frost, and are especially valuable during September and October, when other flowers are scarce. They throw out numerous side branches, all bearing very double, fragrant flowers. Colors: Blood red, light blue, white, Canary yellow, pink, violet and lavender. Each of the above—**Pkt., 10c; ¼ oz., 75c.** Finest mixed—**Pkt., 10c; ¼ oz., 65c.**

Mammoth-Flowering Beauty Stocks

A magnificent recently-developed strain of early flowering Winter Stocks, forming much-branched plants about two feet high and having numerous spikes of very large, double, delightfully fragrant flowers. They are of special value as pot plants.

Beauty of Nice—Large flowering; flesh color. Mixed. **Pkt., 10c; ¼ oz., 75c.**

Queen Alexandria—Giant flowered; rose color. **Pkt., 10c; ¼ oz., 75c.**

Postpaid Prices	Pkt.	¼ oz.
Scabiosa—(Mourning Bride) dbl. mxd.	5c	$0.25
Scabiosa—Perennial, sofe lavender....	10c	2.50
Schizanthus—(Poor Man's Orchard)..	10c	.35
Smilax—Graceful climber	10c	.35
Sweet William—Single mixed	5c	.45
Sweet William—Double mixed	5c	.45
Verbenas—Mammoth, mixed	5c	.45
Verbenas—Mammoth, separate colors	5c	.50
Viola—Odorata, sweet violet	5c	1.00
Wall Flower—Single, mixed colors....	5c	.20
Wall Flowers—Double, mixed colors..	10c	2.25
Wild Cucumbers	5c Pkt.,	20c oz.
Wild Flower Garden—Dwarf sorts.....		25c oz.
Wild Flower Garden—Tall sorts.....		25c oz.

ZINNIAS*

The Zinnia is one of the most brilliant and showy of annuals, and has long been a general favorite.

P.-W.'s New Giant Double Flowered—This new strain produces immense double velvety flowers from three to five inches in diameter of almost every desirable tint and color. The plants are very thrifty, growing to a height of about three feet, blooming profusely the entire season. We can supply the following colors: Crimson, yellow, orange, flesh, white, pink and cream. Any of above—**Pkt., 10c; ¼ oz., 50c.**

P.-W.'s New Giant Double Mixed—Includes all the above colors and in addition several new tints and shades. Exceedingly attractive. **Pkt., 10c; ¼ oz., 50c.**

Elegans Double Choice Mixed—Splendid mixture of this old, popular strain. **Pkt., 5c; ½ oz., 30c.**

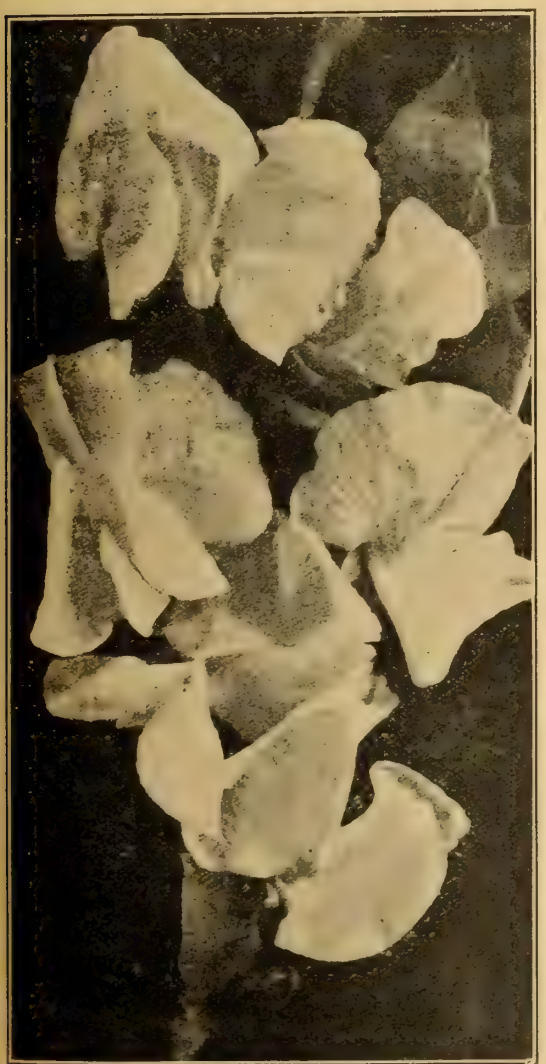
P.-W.'s Mammoth Zinnia

P.-W.'s GIANT WAVED SPENCER SWEET PEAS

One Pkt., five feet of row. **One Ounce, 20 feet of row.**

The introduction of this type has created new interest and added to the popularity of Sweet Peas. They are quite distinct from the standard sorts, having large, round, open flowers of extraordinary size, usually measuring two inches across, with wavy standards and wide-spreading wings, a very large percentage bearing four of these immense blossoms to the stem, which is long and strong, making them of exceptional value for cutting.

Culture—Very early in the spring, preferably in March and April in the Mountain States and localities of similar climatic conditions is the best time to plant. One of the best methods is to make a trench or furrow about six inches deep, in the bottom of which sow the seed. Cover with about an inch of soil, pressing it down firmly. As soon as they are above the ground thin out to four to six inches apart; when planted too close they do not attain their full development. They should be staked with branches or stout stakes at least four feet high, and five feet would be better.



King White Spencer

Countess Spencer—A lovely soft rose-pink.
®**Dobbie's Cream**—Finest primrose-yellow.
®**Florence Nightengale**—The largest and finest pure lavender.
Florence Morse Spencer—Delicate blush with pink margin.
®**Flora Norton Spencer**—Clear azure blue.
George Herbert—Bright rose-carmine.
Helen Lewis (Orange Countess)—Brilliant crimson-orange, wings orange-rose.
®**Illuminator**—Rich salmony-oranze overlaid with bright cerise-pink, the effect being a glowing orange-scralet.
®**King Edward Spencer**—The best crimson-scarlet.
®**Margaret Atlee**—The best rich pink.
Mrs. Hugh Dickson—Beautiful salmon-pink.
Nora Unwin—Superb pure white.
Othello Spencer—Deep rich maroon.
®**Royal Purple**—Very distinctive rich purple.
®**Senator Spencer**—Striped purplish-chocolate on white.
®**King White Spencer**—A pure wavy white of enormous size.

Price: Any of above—Pkt., 10c; oz., 30c; ¼ lb., $1.00; lb., $3.50.

Big ® Colleciton of P.-W.'s Giant Spencers

(A) Consists of regular 1 pkt. each of the above nine varieties marked ® which indicates each one is a leader in its color. These nine packets, regular value 90c, **Postpaid, 50c.**

(B) This is made up of one ounce each of the above nine ® varieties, regular value $2.70. **Sent Postpaid for $2.25.**

P.-W.'s Special Mixture of Spencers—We have included in this lot not only many of the above sorts, but several others which are new and striking in this class. **Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.**

Dwarf Cupid Sweet Peas (or Tom Thumb)

These are very compact dwarf plants, growing not over six or seven inches high. Covering a circumfernece of about eighteen inches. From June until late summer they are literally a sheet of bloom. **Pkt., 5c; oz., 15c; ¼ lb., 50c.**

Standard or Grandiflora

While the stems are shorter and the flowers not so large as the Spencer types, they bloom so profusely that many refuse to discard them in favor of the new. We offer the following colors: **White, Pink, Red, Orange, Yellow Lavender, Maroon, Blue, Purple and Varigated. Price, any of the above colors, pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.50, Postpaid.**

Grandiflora Sweet Peas—All colors mixed. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.25, Postpaid.**

SUMMER FLOWERING BULBS

We grow and offer only the most popular sorts. They are inexpensive, easily grown, require little care, and make a rare and gorgeous display. They cannot fail to give satisfaction.

LARGE FLOWERING CANNAS

The Canna has long been a great favorite, and since the introduction of many varieties their value has been greatly increased by adding to the already attractive foliage and large flowers of the most brilliant colors, so that they are now indispensible. Plant out-of-doors in the middle of May, when weather is warm and danger of frost is over. Do not water too freely until well started, when they should have an abundance.

It is quite an advantage to start the roots inside the latter part of March and transplant them to the open ground when all danger of frost has passed.

Crimson Bedder—Crimson flowers, green foliage, height 4 feet.

David Harum—Crimson flowers, bronze foliage, height 3½ feet.

Florence Vaughn—Flowers yellow spotted brown, bronze foliage, height 5 feet.

Mad Crozy—Flowers vermillion with gold eye, green foliage, height 3½ feet.

Mount Blanc—Pure white flowers, green foliage, height 4 feet.

Venus—Rose-pink flowers mottled cream, green foliage, height 3½ feet.

Wyoming (King Humbert)—Orange-scarlet flowers, bronze foliage, height 5 feet.

Price: Dormant Roots; any of above 20c each; 2 for 35c; $1.75 per dozen, postpaid.

Mixed Cannas—Comprising good kinds, our selection, superb for bedding or massing. Strong plants **15c each; 6 for 80c; $1.50 per dozen, postpaid.**

Tuberose

The Tuberose is pre-eminently a flower for everybody. The lovely waxy flowers are so fragrant that a few tips will perfume a room or green house. It is especially desirable for furnishing a continuous supply of blooms for bouquets, cut flowers or ladies hair. The tips may be taken off as they expand, and if you do this gradually a few plants will provide for a long period. For open ground culture, plant in May or June in a warm location.

Double Dwarf Pearl—This is an improved strain of the Dwarf Pearl, bearing very heavy spikes of double flowers. **Each 7c; 70c per dozen, postpaid.**

GLADIOLUS

These are the most attractive and useful of all summer-flowering bulbs, and as a cut flower all through the summer months and well into the autumn they hold a place that cannot be taken by any other flower. Our list comprises only the best both in mixture and in named sorts.

A succession of bloom may be had from July to October by making plantings two weeks apart to the end of June. To make a good show they should be planted from three to four inches apart each way, the large bulbs being covered about six inches deep, small ones from three to four inches.

If wanted by mail the prices on single and dozens include postage. For large quantities the weight is about 10 pounds per 100 bulbs. See page 1 for parcel postage.

America—A beautiful soft pink. For florists' use it has no equal. **Each 7c; per dozen 70c.**

Blue Jay (Baron Hulot)—The only real blue Gladiolus on the market. **Each, 10c; doz., $1.00.**

Europe—The finest pure white. **Each, 15c; doz., $1.50.**

Mrs. Frances King—A striking shade of scarlet. **Each, 7c; doz., 75c.**

Mrs. Frank Pendleton—A lovely salmon-pink with brilliant deep red blotches in the throat. **Each, 10c; doz., $1.00.**

Panama—Solid deep pink. **Each, 10c; doz., $1.**

Niagara—Beautiful cream, blending to yellow, throat splashed with carmine. **Each, 10c; doz., $1.00.**

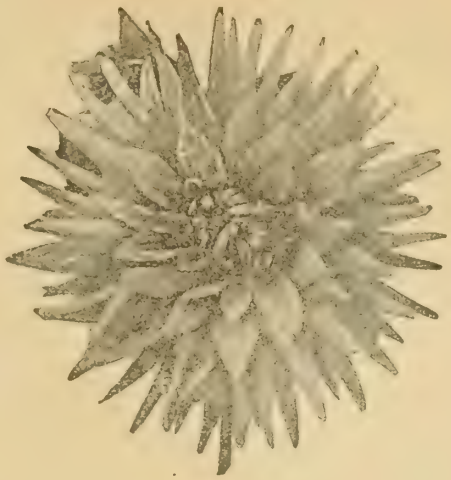
Schwaben—A clear canary-yellow with a small blotch of deep garnet in the throat. **Each, 10c; doz., $1.00.**

P.-W.'s Superb Mixed—Our special mixture from the best named and hybrid Grandavenis, Childsii and European types. A well blended combination of all colors, shades and combinations. **Doz., 50; $3.50 per 100, postpaid.**

We carry a full line of bulbs for fall planting ready in September, such as Hyacinths, Tulips, Crocus, Narcissus, Daffodils and Lilliums. Ask for Fall Bulb List; mailed free on request.

P.-W.'s Superb Mixed Gladiolis

Type of Decorative Dahlia



Type of Cactus Dahlia

DAHLIA

P.-W.'s Cactus Dahlias

Including Both Old and New Sorts

Postpaid Prices	Each	Doz.
Countess of Lonsdale—Rich salmon-pink	25c	$2.50
Golden Gate—Very large; rich deep golden-yellow	25c	2.50
General Buller—Rich velvety crimson, tipped white	25c	2.00
Perle De Lyon—Pure white, borne on good stems	25c	2.00
Hungarian—A finely formed flower, pure old gold shade	20c	2.00
Zephyr—Light feathery form of unique coloring, rosy-pink, shading to heliotrope	20c	2.00

P. W.'s Collection of Cactus Dahlias
On each of the above varieties, $1.00, postpaid.

P.-W.'s Show and Fancy Dahlias

The name Show applies to those varieties producing large, well-formed flowers, showing only solid colors, but may frequently have shaded tips.

Postpaid Prices	Each	Doz.
A. D. Livoni—Rich pink	20c	$2.00
Bon Ton—A fine ball-shaped, deep barnet-red	20c	2.00
Glori Le Lyon—Pure white; largest in cultivation	20c	2.00
Golden Treasure—A beautiful burnt orange color	20c	2.00
Grand Duke Alexis—A magnificent pure white, over spread with delicate lavender	25c	2.50
Purple Gem—Rich royal purple	20c	2.00

P.-W.'s Collection of Show and Fancy Dahlias
One each of above varieties, $1.00, postpaid.

P.-W.'s Decorative Dahlias

Postpaid Prices	Each	Doz.
Autumn Glow—A very large, full flower, bronze-yellow	20c	$2.00
Mina Burgle—Large vivid red	30c	3.00
Lavender Beauty—Clear lavender	20c	2.00
Delice—Wonderful rose-pink	30c	$3.00
Maude Adams—Best white	25c	2.50
Souvenir Douzon—Coppery orange red, mammoth size	25c	2.50

One each of above varieties $1.25, postpaid.

P.-W.'s Paeony Flowered Dahlias

This new type is fast becoming popular. It could well be described as semi-double of the Decorative form and resembles very much a large semi-double paeony. We have selected a half dozen of what we consider the choicest varieties of this class.

Postpaid Prices	Each	Doz.
Duke Henry—Brilliant red; large broad petals; very free bloomer	25c	$2.50
Geisha—A rich combination of scarlet and gold, shaded to amber yellow	75c	7.50
Kai Ora—Flowers large rosy-pink, borne on long graceful stems; height 4 feet	25c	2.50
Queen Wilhelmina—Immense fluffy flower of pure white, with yellow center	25c	$2.50
Souvenir Franz Litz—Dark purple, maroon; veined and shaded with white	25c	2.50
Van Dyck—Mammoth salmon-rose tinted heliotrope. Petals twisted; the most popular of this type	25c	2.50

P.-W.'s Collection of Paeony Flowered Dahlias—One each of the above six varieties for $1.50, **postpaid.**

All nursery stock shipped by us is accompanied by a certificate of health, issued and signed by an Inspector of the Horticultural Commission. This insures shipments to consist of nothing but healthy stock, free and clear of all scale, insect pests, etc. Orders for Winter and Spring shipments should be placed as early as possible. Three-fourths of the nursery business is done in the Spring months, and when our busy season starts, we are rushed with orders. All orders are filled in rotation as received.

Full Directions for Care and Planting Free With Each Order

It is very easy to transplant trees and shrubs successfully if these directions are followed.

P.-W.'S HOME GROWN ROSES

OUR GREAT SPECIALTY

In planting Roses be sure to remember that the hybrid perennials do best on heavy soils; the hybrid teas on the medium heavy soils, and the teas on the lighter soils.

Hybrid Perpetual Roses

The varieties we list in this class are all of vigorous growth and hardy in our climate. Many of them flower the entire summer. Others flower during the month of June and again in August and September.

P.-W.'s Red American Beauty—Same habits of growth and bloom as the popular forcing American Beauty.

American Beauty White (Frau Karl Druschki)—Best snow-white rose. Immense in size, and hardy everywhere.

Mrs. John Laing—Very delicate pink. The best bloomer in Hybrid Perennials.

Paul Neyron—Immense bright shiny pink; clear and beautiful. Very double. Blooms all summer.

Prince Camille De Rohan—Deep velvety crimson color, passing to intense maroon and shaded black.

Ulrich Brunner—Brilliant, cherry-red.

P.-W.'s POLYANTHA OR BABY ROSES

Very Desirable Bedding and Edging Roses

A class of Rose of dwarf habit, bloom all through summer and fall, splendid for bedding or as edgings for borders they are very beautiful. They are useful, either for pot culture or bedding purposes or for hedge effects.

Baby Dorothy—A pure pink with all qualities of the Crimson Baby Rambler.

Crimson Baby Rambler—Hardy and healthy. Blooms in profuse clusters until frost and throughout the winter if taken indoors. Clear, brilliant ruby-red color.

Erna Teschendorf—A deep crimson flushed with carmine.

White Baby Rambler—Same habits of growth as Crimson Baby Rambler. Color pure white.

Madame Cecil Brunner—Color salmon-rose, the most beautiful and lovely of the miniature roses; very fragrant.

Baby Orleans—Brilliant geranium-red, suffused with rose as the flowers mature; large white center.

Price on any of above:.. 85c each; $9.00 per dozen. All charges prepaid.

P.-W.'s Superb, Hardy, Ever-Blooming

HYBRID TEA ROSES

This class combines the good points of both the Teas and Hybrid Perpetuals, blooming freely and without interruption from the first year; stand severe winters with only ordinary protection. Our list includes the cream of both old and new.

Unless otherwise noted, price of any on this page: 85c each, $9.00 per dozen, charges prepaid, strong, healthy 2 year old dormant roots.

Betty—Color coppery-rose shaded golden-yellow; deliciously perfumed.

Duchess of Wellington—Intense saffron yellow stained with crimson, changing to deep coppery saffron yellow. **$1.00 each.**

Edward Mawley—A beautiful rich crimson touched with maroon, with a delightful velvet gloss.

Gruss an Teplitz (Virginia R. Coxe)—The best bedding and hedge rose for the Rocky Mountain states. In bloom continuously from early spring until snow. The color is firey-crimson, shaded with a dark velvety sheen, a combination found in no other rose; perfectly hardy in all sections.

Hadley—A splendid velvety crimson, with large well formed buds, most delicate fragrance. **Each $1.00.**

Hoosier Beauty—Beautiful, well-shaped, long buds; color intense, rich, dazzling crimson-scarlet; deliciously fragrant. **Price $1.00 each.**

Jonkheer J. L. Mock—One of the best bedding varieties. A deep imperial-pink, the outer side of the petals silvery-rose white.

Madame Caroline Testout—Grand bright pink, flowering freely all summer; known as the "Portland Rose."

La France * (The queen of all roses)—Beautiful silvery-pink; large, full and fine form.

Los Angeles—Luminous flame-pink toned with coral and shaded with transluscent gold at the base of the petals. Buds long and pointed, expanding to a flower of mammoth proportions. Beautiful from the opening bud until the last petal drops. **Price, $1.50 each.**

Gruss An Teplitz—Blooms from June to Snow

Lyon Rose (Perentiana)—Flowers large, full and double, of remarkable substance, shrimp-pink, edges of coral-red or salmon-pink, shaded chrome-yellow. Very fragrant. A constant bloomer; perfectly hardy. **Price, $1.25 ecah.**

Mrs. Aaron Ward—Coppery-orange in the open bud, but golden orange when partly developed, pinkish-fawn of lovely shade when fully open. **Price, $1.00 each.**

Madam Leon Pain—Silvery-pink shading to salmon, base of petals orange.

K. Augusta Victoria—In color it is a soft pearly-white, tinted with ust enough lemon in the center to relieve the white; remarkably fragrant.

Irish Fire Flame—Closed bud firey orange-red, shading to lighter at base, when full open bright salmon; five petaled and single; one of the daintiest and sweetest things imaginable.

Mrs. Charles Russell—The bud is fully as large as American Beauty but longer and pointed; color of a bright rose-pink, deeper towards the center.

Ophelia—Color salmon-flesh, shaded with rose; large and perfect shape.

Mrs. A. R. Waddell—A rosy-scarlet, opening rosy-salmon, with reverse of petals rosy-scarlet. A sturdy, erect and vigorous grower. **$1.00 each.**

Sunburst—Long, pointed buds; color, orange-copper or golden-orange and golden-yellow; edge of petals lighter. **Price, $1.00 each.**

P.-W.'s INTRODUCTORY ROSE OFFER
Of Ten Everbloomers for Your Rose Garden for $7.00

Jonkheer J. L. Mock—Silvery rose-pink.
Duchess of Wellington—Copper-yellow.
Edward Mawley—Deep, rich crimson.
Gruss An Teplitz—Dark crimson-red.
Kaiserin Augusta—Blush-white.
Mrs. Chas. Russell—Wonderful deep rose-pink.
Sunburst—Orange-yellow.
White American Beauty—Pure white.
Climbing American Beauty—Red.
Climbing Cecil Brunner—Pink.

One each of above ten choice 2 year old dormant shrubs for $7.00, Postpaid.

P.-W.'S HARDY CLIMBING ROSES

Including the Ramblers, Climbing Polyanthas and Wichuraiana

These roses are suitable for planting where they can climb on walls, fences, galleries, pillars, pergolas, arches, etc.; in fact, wherever a hardy climber is required.

Price of any on this page, except where noted, 85c each, 12 for $9.00; two year old field grown shrubs; all charges prepaid.

American Pillar—A single-flowering variety of great beauty, which appeals to everyone. Flowers are enormous in size, three to four inches across, of a lovely shade of pink, with a clear white eye and cluster of yellow stammens.

Climbing American Beauty—Same color, size and fragrance as American Beauty, with the addition of the climbing habit.

Climbing Cecil Brunner—Very robust and one of the strongest climbers in the rose family. Hardy and suitable for all sections.

Climbing Mme. Caroline Testout—A solid cerise-pink and does not fade. Highly fragrant.

Climbing Kaiserin Augusta Victoria—This is easily the grandest climbing white rose extant.

Climbing Baby Rambler, or Miss G. Messman—This is a true ever-blooming Crimson Rambler; a climbing form of the Baby Rambler.

Dorothy Perkins—Beautiful shell-pink color, which holds for a long time, fading finally to a lovely deep rose; very sweet scented.

Excelsia or Red Dorothy Perkins—A brilliant Crimson Rambler flower on glossy, varnished Wichuriana foliage.

Ever-Blooming Rambler, or Flower of Fairyland This is a much-hearalded ever-blooming Crimson Rambler; deep crimson in immense clusters.

Silver Moon—Pure white with clear yellow stamens.

Shower of Gold—Double golden-yellow; a free bloomer.

White Dorothy Perkins—Same habit of bloom as Red and Pink Dorothy Perkins.

White Dorothy Perkins (Second Year from Planting)

P.-W.'S EVER-BLOOMING TEA ROSES

Lady Hillingdon

The roses of this class are very easily distinguished by their delicate fragrance and shades of color. Not being as hardy as the perpetuals or the Hybrid Teas, they should be planted where they are protected from cutting winds. They bloom in great perfection during the entire summer and autumn, being especially fine during the autumn months.

Papa Gontier—Much sought after for cut flowers on account of its magnificent buds; color, rich cherry red; no collection is complete without it.

Lady Hillingdon—Apricot yellow shaded to orange on the outer edge of the petal, becoming deeper and more intense toward the center of the bloom. After the bloom is cut, the color invariably becomes darker. A strong, hearty grower.

White Maman Cochet—Free bloomer, bearing magnificent buds and flowers, standing at the very head of all roses as the best white for open ground culture.

Pink Maman Cochet* (The Queen of All Garden Roses)—The buds are large, full and firm, elegantly pointed, showing depth and richness as they expand; clear, rich pink, changing to silvery-rose.

Price of above, except where otherwise noted, 85c each; $9.00 per dozen. All prices prepaid.

Strong two-year-old dormant roots.

HERBACEOUS PERENNIAL PLANTS

Perennials have never been so popular as they are at the present time. Their permanency appeals to all. They are planted once and are always there; living through the winter with little or no protection, the flowers become better as plants grow older. Our prices are for field grown plants. If by mail, add 5c each, 30c per dozen, postage.

Alyssum Saxatile Compactum (Basket of Gold)—An indispensable plant for the rockery or border, growing 1 foot high and producing early in the summer masses of broad, flat heads of bright yellow flowers.

Companula—In several varieties, including the Canterbury Bell.

Columbine (Aquilegia)—Assorted colors.

Coreopsis Lanceolata—Flowers are bright golden yellow.

Dianthus Barbatus (Sweet William)—Blossoms most all summer.

Delphiniums (Hardy Larkspur)—Very graceful, with long spikes of bright flowers; assorted colors.

Digitalis (Fox Glove)—A very ornamental plant, growing to about three feet high; assorted colors.

Poppy, Hardy Oriental—Large flowers, bright red.

Pyrethrum (Aliginosum Giant Daisy)—Very attractive.

Gaillardia Grandiflora—A mass of blooms the entire season. Flowers are dark red-brown with petals of orange or crimson.

Feverfew Little Gem (Matricaria)—Large double, white flowers; June until October; 12 to 15 inches high.

Forget-Me-Not (Myosotis Alperis)—Low growing, producing an abundance of fragrant small blue flowers.

Gypsophela Paniculata (Baby's Breath)—Single.

Hardy Garden Pinks—Assorted colors.

Hollyhocks—Handsome double improved varieties of this flower make it a great favorite. Assorted.

Lobelia Cardinals (Cardinal Flower)—Flowers from July to September; color, fiery scarlet; height two feet.

Rubeckia (Golden Glow)—Height four to six feet, brilliant golden-yellow color during August and September.

Shasta Daisies—Burbank's new varieties.

Vinica Minor (Periwinkle or Trailing Myrtle).

Violets—Hardy sweet-scented blue.

Chrysanthemums (Old Fashioned Large-Flowering)—In four colors—red, white, pink and yellow.

Price, any of above: 25c per clump; $2.50 per dozen. Add 5c each for postage if by mail.

P.-W.'s PANSY PLANTS

Without qualification these plants are excelled by none for beauty, variety of color and markings. Grown with the utmost care from the world's best mixture of Pansy seed. First bloom about April 1. Large plants in bloom, doz., 75c 3 doz., $2.00; 100 plants, $4.75, by mail add 20c per dozen for postage.

SUMMER BEDDING PLANTS

The following plants are raised from the choicest grades of seeds, and will surely please the most particular. We will be able to supply them fresh from our greenhouse, from April 25 to June 15. They are extra strong, transplanted, flat-grown stock, or else from two-inch pots. If wanted by mail, add 10c per dozen for postage. **Price: 75c per dozen; $4.00 per 100.**

Asters—Mixed.
Carnation—Marguerite.
Cosmos—Mixed.
Fever Few—Mixed.
Double Daisy—Mixed.
Lobelia—Blue.
Marigold.
Marguerite—Mixed.
Petunia—Mixed.
Phlox (Drummondii)—Mixed.
Salvia.
***Snapdragon**—Mixed.
Stocks—Mixed.
Verbena—Mixed.
***Zinnias**—Mixed.

*Marked varieties can be furnished in separate colors at same price.

The Following Plants are pot Grown, Propagated From Cuttings.

Ready from April 15 to June 15. Priced by Express. If wanted by Mail, add 5c each or 25c a dozen, in 2½-inch pots.

	From 2½ in. Pots		From 4 in. Pots by Express	
	Ea.	Doz.	Ea.	Doz.
Begonia Vernon—Rright red	25c	$2.00		$
Coleus—Assorted varieties	25c	2.00		
Geranium, Double—Ast'd. colors	30c	3.00	50c	4.50
Geraniums, Variegated—Border	25c	2.00	40c	3.50
Geranium, Ivy Leaved—Assorted	30c	3.00	50c	4.50
Geranium, Martha Washington	35c	3.50	60c	5.50
Petunia, Giant Double Fringed	25c	2.00		
Variegated Vinca—Foliage mottled	25c	2.00	50c	4.50
Senecio Scandens (Parlor Ivy)	25c	2.00		
Snapdragon	25c	2.00		

A House of Four-inch Geranium at Centerville

HARDY ORNAMENTAL CLIMBING PLANTS

Your home, outbuilding, fences and trunks of old trees can be made very attractive by the use of hardy vines. We furnish strong two year old field grown plants at prices given below. If by mail add 5c each for postage.

Boston Ivy—Major Williams' Residence, Centerville, Utah

Ampelopsis Engelmanii (New Virginia Creeper)—A new American Ivy much smaller and thicker foliage, also equipped with tendrils by whihc it will climb walls of stone or brick. **Each 60c.**

Ampelopsis Quinquefolia (Virginia Creeper)—An old favorite for covering back porches, outbuildings, arbors, etc. **Each 50c.**

Boston Ivy (Ampelopsis Veitchi)—A most desirable climber, clinging firmly to the smoothest surface, covering it evenly with overlapping leaves, which forms a perfect mass of foliage. Color, deep green in summer, changing to bright shades of crimson and yellow in autumn. **Each 75c.**

Bigonia Radicans (Trumpet Vine)—Dark red-orange throat, free blooming, very hardy and rapid grower. **Each 75c.**

Clematis Paniculata (Virgin's Bower)—This is hardy, flowers pure white, very fragrant, glossy, rich green foliage. **Each 75c.**

Clematis Jackmanii—This is the best of all large flowering varieties. Color, a deep violet purple. A strong grower, succeeding well in all localities. **Each $1.00.**

Honeysuckle Japonica Halleana (Hall's Japanese)—Almost evergreen sort; flowers pure white, changing to yellow; blooms July to November. **Each 60c.**

Chinese Wistaria (Wistaria Chinese)—A rapid-growing vine with handsome foliage and flowers. Flowers pea-shaped, purplish, profusely borne in dense, drooping clusters 7 to 12 inches long, opening in midspring. **Each $1.00.**

Chinese White Wistaria (W. Var. Alba)—A form of above with pure white flowers. **Each $1.25.**

In selecting your Climbers, don't overlook our splendid collection of Hardy Climbing Roses See page 46.

Althea (Hib Syriacus) Golden Bells (Forsythia Fortunei) Hydrangea (Paniculata Grandiflora)

HARDY ORNAMENTAL AND FLOWERING SHRUBS

Our prices are for strong, healthy, field grown shrubs, two to four feet high, depending on the variety, some making higher growth than others.

(A) denotes shrubs which attain 9 to 12 feet in height at maturity. (B) denotes shrubs which attain 5 to 8 feet in height at maturity. (C) denotes shrubs which attain 1 to 4 feet in height at maturity.

Athea (Rose of Sharon) (A)—A free-flowering shrub blooming in August and September. Flowers resemble a double hollyhock. **Double Pink, Red or White, 75c each.**

Berberis Thunbergii (Japanese Barberry) (B)—A most beautiful shrub adapted for hedges border, screens or for general purposes. **Two year, 12 to 18 in. shrubs, 50c each; $4.50 per 10; $35.00 per 100.**

Buddleya Variabilis Veitchiana (Summer Lilac) (B)—Known also as "Butterfly Bush"; very attractive. **Each, 85c.**

Cydonia Japonica (Japan Quince) (B)—Very attractive brilliant crimson flowers, among the first in spring. **$1.00 each.**

Deutzia (B)—Luxuriant foliage. Flowers in June and through July and August. **Double Pink, 85c each; Double White, 85c each.**

Flowering Almond (B)—One of the early blooming shrubs, producing handsome little flowers in great profusion. **Double Red, $1.00 each; Double White, $1.00 each.**

Forsythia (Golden Bell) (B)—The flowers are drooping, golden yellow, and appear very early in spring before the leaves. The best very early flowering shrub. **Each 80c.**

Honeysuckle Upright Tartarian (B)—Grows with upright, somewhat spreading branches. The flowers are borne freely in May and June, followed by showy red berries, which cling to the bush for several weeks. **White, 80c each; Pink, 80c each; Red, 80c each.**

Hydrangea (Paniculata Grandiflora) (A)—Blooms in July and August and continues in bloom for two or three months; the flowers are massive, cone-shaped, sometimes ten inches in length, and changing from the original pure white to pink, and finally to a beautiful rich coppery red. **Each $1.00.**

LILACS (True Syringa)

Alba Grandiflora—Flowers pure white and very fragrant. **Each 80c.**

Charles X—A strong, rapid-growing variety, with large shining leaves; trusses large, of a reddish purple color. **Each 95c.**

Old Fashioned Purple—Each 75c.

Persian Purple—Flowers are deep purple and their familiar fragrance is loved by all. Easy culture and grow in any soil. **Each 80c.**

Privet for Hedges—Of all shrubs planted for hedges, none can equal this. Extremely hardy, very easy to grow, and makes a splendid green foliage. **One year shrubs, $1.25 per 10; two year shrubs, $1.50 per 10.**

Snowball (Viburnum Opulus Sterilis) — Too well known to need description. **Each 80c.**

Spirea (Thunbergii)—A graceful bush, beautiful at all seasons, with innumerable small white flowers. The tiny leaves turn to a brilliant orange-scarlet in the autumn. **Each 90c.**

Spirea Van Houtii (Bridal Wreath)—Pure white flowers in clusters or panicles an inch in diameter. **Each 90c.**

Syringa or Mock Orange—This is a grand old favorite shrub. It is prized very highly for its beautiful foliage and white flowers. Very fragrant, resembling somewhat apple blossoms. **Each $1.00.**

WEIGELIAS (Diervilla)

Candida—White flowering Weigelia, flowering throughout the summer; 2 to 3 feet. **Each $1.00.**

Eva Rathke—A charming new Weigelia. Flowers brilliant crimson, flowering throughout the summer. The best of all Weigelias; 2 to 3 feet. **Each $1.00.**

Rosea—A beautiful shrub with rose colored flowers in May and June; 2 to 3 feet. **Each $1.00.**

Transportation on all shrubs to be paid by the purchaser. If necessary to ship Parcel Post, add 15c each for postage. We strongly recommend shipment by Express where possible.

THESE TWO BOOKLETS FREE TO OUR CUSTOMERS

Where Orders Amount to $5.00; or Choice of Either One on Orders Over $3.00.

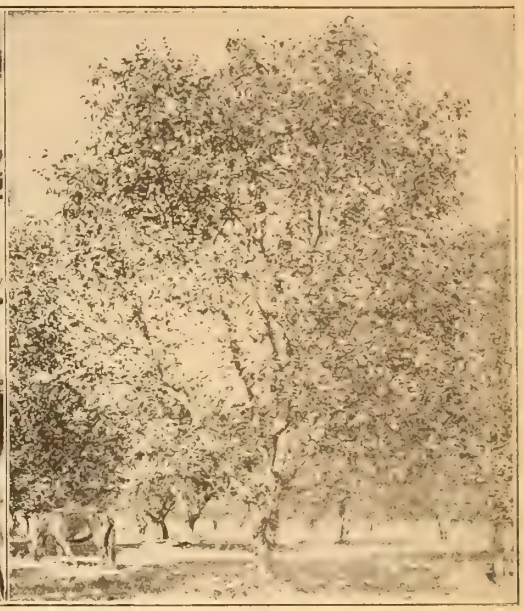
"Your Flower Garden"

Just what you want to know about flowers, bulbs and roses.

"Making the Garden Pay"

Helpful hints and cultural notes on the home vegetable garden.

Utah English Walnut



The Great Utility Tree, Both Fruit and Shade

ORNAMENTAL TREES

A city street is not attractive unless softened by the foliage and branches of trees. They shelter the home from excessive heat and dust, add charm to the finest buildings and hide the untidy and unsightly places. There is nothing that adorns a city more than fine shade trees, and the effect is much better when only one kind of a tree is planted on the same street, or, at least, one on the same block.

SHADE TREES

Prices Do Not Include Delivery

Variety	Size	Each	Per 12
Ash—White American	8-10 feet	$2.25	$22.50
Box Elder	6-8 feet	1.25	12.00
Box Elder	8-10 feet	1.50	15.00
Catalpa — Western	6-8 feet	1.50	15.00
Catalpa—Bungei Umbrella, 2-year-old head		3.00	33.00
Crab—Bechtel's double flowering	3-4 feet	1.75	17.50
Elm — American	8-10 feet	2.00	21.00
Elm — English	6-8 feet	2.00	20.00
Flowering Plum—Purple leaved	3-4 feet	1.25	12.50
Horse Chestnut	5-6 feet	2.50	27.00
Linden (Basswood)—American	6-8 feet	2.50	27.00
Maple — Sugar	6-8 feet	2.25	24.00
Maple — Norway	6-8 feet	2.50	27.00
Maple — Schwedleri	6-8 feet	3.50	35.00
Maple — Silver or Soft	6-8 feet	1.25	12.50
Maple — Silver or Soft	8-10 feet	1.75	17.50
Mountain Ash	6-8 feet	2.25	24.00
Mountain Ash	8-10 feet	3.00	30.00
Poplar—Bolleana	8-10 feet	1.25	12.00
Poplar—Bolleana	10-12 feet	1.50	15.00
Poplar—Bolleana	6-8 feet	.75	7.50
Poplar—Carolina	6-8 feet	.60	6.00
Poplar—Carolina	8-10 feet	.80	8.75
Sycamore—European (Oriental Plane)	6-8 feet	2.00	20.00
Sycamore—European (Oriental Plane)	8-10 feet	2.50	25.00

WEEPING TREES

Variety	Size	Each	Per 12
Birch—Cut leaved	6-8 feet	$3.00	$30.00
Elm—Camperdown, one-year head		3.00	30.00
Mulberry—Teas Russian, one-year head		3.00	30.00
Willow—Babylonica	6-8 feet	1.50	15.00

UTAH ENGLISH WALNUT

The very shapely and beautiful shade tree that pays its owner an extra dividend of $30.00 to $50.00 annulaly, ust for good measure. Hardy in any section of situation where apricots and peaches can be grown. No home orchard or ground is complete without some of these trees.

Mail Size (2-year stock)—**Ea., $1.35; ten, $11.00, charges prepaid.**
Standard Size (3-year stock)—**Ea., $2.00; ten, $17.50, not prepaid.**

FRUIT TREES

"Mail Size"—All stock offered under this clasification will be delivered charges prepaid to your Express or Post Office at prices named. This grade includes strong, vigorous, one-year buds and the smaller two-year stock which has been sorted from the "Standard Size." Please note the "Mail Size" are not "culls," but clean, healthy, vigorous trees of just such size and height suited for Parcel Post shipment.

"Standard Size"—All trees of this classification are clean, healthy, vigorous stock of good caliper. They are too large to send through the mail and should be forwarded by Freight or Express. Packing is free but transportation charges are to be paid by the customer. The weight packed is 1½ to 2 pounds to the tree.

APPLES

Standard Size—90c each; $9.00 per doz.; 50 for $27.50; 100 for $50.00, express charges not prepaid.
Mail Size—Postpaid at above prices.

Summer Varieties

®**Red Astrachan**—Fruit large, beautiful deep crimson yellow. Ripens July and August.

Early Harvest—Medium size, nearly round, pale yellow. July and August.

Maiden's Blush—Medium size, pale yellow with beautiful red cheek.

Thurston Sweet—Highly prized for home or market, deliciously sweet. Mid-summer.

Yellow Transparent—One of the earliest, pale yellow when ripe; good quality. Succeeds well in cold climates. Ripens in July.

Autumn Varieties

®**Gravenstein**—Yellow red striped, very large. Ripens in September.

Twenty Ounce Pippin—Very large, showy, striped.

Wealthy—Dark red, sub-acid. Trees bear very young.

Wolf River—Light yellow, with stripes and splashes of bright red; good cooker.

Winter Varieties

Arkansas Black—Rich, dark red; flesh orange yellow.

Bellefleur, Yellow—Large, oblong, yellow. Ripens October to January.

®**Delicious**—Large, handsome winter apple, delightful flavor. Ripens late fall.

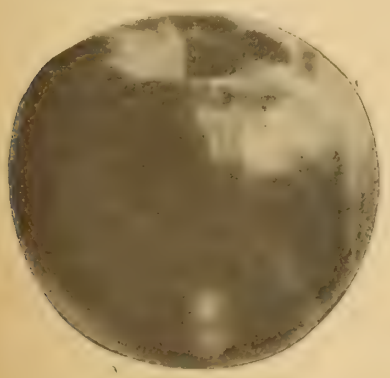
Gano—Good size, deep red; attractive; good keeper and shipper.

Grimes Golden Pippin—Rich, golden-yellow; flesh tender, juicy and rich. Nov. to Dec.

®**Jonathan**—Probably the best apple in regard to flavor and quality ever grown in America. Deep red.

Mammoth Black Twig—Very large, dark red, slightly streaked.

McIntosh Red—Large, all red; good keeper.



Jonathan

A thrifty looking field of Apple Trees at our Centerville Nurseries

Northwestern Greening—Fruit large; flesh yellow and fine grained.

Rhode Island Greening—Large greenish-yellow.

Rome Beauty—Fruit large, yellow with red; good quality and long keeper.

Wine Sap—Smooth greenish-yellow, splashed and striped with red and purple.

®**Winter Banana**—Flesh golden-yellow; fine grained and juicy.

Winter Pearmain—Pale yellow; flesh yellow, juicy, tender.

CRAB APPLES

®**Hyslop**—Fruit deep crimson, covered with blue bloom. September.

Siberian—Beautiful red. September.

APRICOTS

Standard Size—90c each; $9.00 per dozen; 50 for $27.50; 100 for $50.00.

Mail Size—Postpaid at above prices.

Chinese—Large round, deep yellow. Late June.

®**Moorpark**—Very large, yellowish-green; best variety for no colder sections than Salt Lake. Late June.

®**Superb**—The most productive hardy apricot; medium size, light salmon color.

Black Orb

CHERRIES

Standard Size—Each, $1.10; per dozen, $11.00; fifty, $45.00; hundred, $80.00.
Mail Size—Postpaid at above prices.

Sweet Cherries

Bing—Very large, dark brown—almost black—rich and delicious. Ripens in July.
®**Black Orb**—Improvement on Black Tartarian in size, color, productiveness and flavor. July.
Black Tartarian—Very large, purplish-black, mild and sweet. Ripens first of July.
®**"Dals" Early Red**—Large, deep red. Fist part of June.
®**Lambert**—Immense, deep rich red. July.
Napoleon—Very large pale yellow, red cheek. June.
Reine Hortense—Sweeter and larger than May Duke. Color deep red. Ripens in August.
®**Winsor**—Fruit large; heavy bearer; beautiful dark color, almost black.
Yellow Spanish—Very large, pale yellow. June.

Sour Cherries

May Duke—Fruit dark red; juicy and rich. June.
Montmorency—Large red. Late June to July.
Early Richmond—Medium, dark red; melting juicy.

PLUMS AND PRUNES

Standard Size—$1.00 each; $10.00 per dozen; $27.50 per 50; $50.00 per 100.
Mail Size—Postpaid at above prcies.
Burbank—Lrage round, mottled red and yellow. July.
Peach—Very large; brwon-red; flesh pale yellow. Ripens in early June.
Damson—Medium dark blue; flesh amber; good for preserving.
Pottawatamie—Excellent small plum for preserving.
®**Satsuma**—A fine large plum; purplish-crimson; pit exceedingly small. Delicious flavor. July.
Yellow Egg—Egg-shaped; little coarse. Late October.
®**Italian-Fellemburg Prune**—Large oval, dark purple; flesh greenish-yellow; separates freely from stone; best for drying on the market. August-September.

PEACHES

Standard Size—75c each; $7.50 per doz.; 50 for $25.00; 100 for $45.00.
Mail Size—Postpaid at above prices.
®**Alexander**—Handsome, crimson. Ripens about July 4.
Crawford's Early—Freestone. Fruit very large, oblong, yellow with fine red cheek. Flesh yellow, juicy and sweet. August.
Crawford's Late—Freestone. Resembles the Early Crawford. Ripens in September.
®**Elberta**—A leading market variety, large, handsome bright yellow overspread with crimson; juicy, fine shipper. Freestone.
J. H. Hale—Large orange-yellow, considered by many superior to Elberta.
Orange Cling—Very large; yellow with dark crimson cheek; flesh golden-yellow.
Heath Cling—Large oblong, creamy white, rich and luscious; valuable canning peach.
May Flower—The earliest peach on the market; red all over; flavor excellent.
Carman—Color creamy white or pale yellow, with deep blush; freestone. August to Sept.
®**Early Canada**—Follows Alexander and resembles same in color, shape and size.
Dal's Cling—New. Large, handsome, deep red of rich, luscious flavor.
Red Bird Cling—The earliest of the large clings. Color creamy-white, overspread with bright, glowing red. Delicious flavor.

PEARS

Standard Size—$1.00 each; $12.00 per doz.; $35.00 per 50; $65.00 per 100.
Mail Size—Postpaid at above prices.
®**Bartlett**—Fruit large, clear lemon yellow, highly flavored; very juicy. September.
Beurre D'Anjou—Large, of vinous flavor; one of the leading lat autumn varieties.
Keiffer's Hybrid—Rarely ever blights. Fruit of fine size, rich color and godo quality. October and November.
®**Parrish Favorite**—New. Beautiful large winter pear, ripening in Nov.-Dec. Will keep until spring, retaining its captivating flavor. Never blights. Best winter pear.
Clapp's Favorite—Summer pear, resembling Bartlett. Ripens in August.
Seckel—Small, yellowish-brown, tender, juicy, melting. Ripens in September.

QUINCES

Orange Quince—Standard size, $1.25 each; $12.50 per dozen.

NO WISE PLANTER
Will Risk Fruit Stocks of Doubtful Origin at Any Price.
There is safety with P.-W.'s Mountain Grown, critically selected trees.
VIGOROUS AND TRUE TO NAME.

CHOICE SELECTION OF SMALL FRUITS

Nothing in fruit growing at the present time is attracting more attention than berry growing. Under suitable conditions as to soil, proximity to market or shipping point, there is nothing more profitable. Our local markets, even in small towns, are never overstocked and will take everything offered at remunerative prices.

GRAPES

Price of all varieties listed below, 35c each; $2.50 per dozen; $10.00 per 50; $15.00 per 100; $125.00 per 1,000.

Agawam—One of the best red varieties.

Campbell's Early (King of All American Grapes)—Large, nearly round; black.

Brighton—Dark red. Must be grown with other sorts.

Catawba—Red; well known as wine grape.

®**Concord**—Well known; deep purple. An old stand-by.

Delaware—Small round; skin thin, light red; very juicy.

Niagara—Light greenish-white.

®**Moore's Early**—Large, round, black.

Worden—Black, compact bunch; ripens early.

Half-Hardy Varieties.

Must have winter protection or favored situations in mountain states. **Price, each, 50c; dozen, $4.00; fifty, $12.50; hundred, $20.00.**

Flame Tokay—Large, sweet, red.

Muscat—Large, light colored raisin and wine grape.

Thompson's Seedless—The well-known California seedless raisin grape.

Superb Everbearing Strawberries

BLACKBERRIES

Price, except where noted, 25c each; $2.50 per dozen; $12.00 per 100.

Early Harvest—Berries uniform, glossy black; very early.

Mersereau—Splendid, large, very productive. **30c each; $2.50 per 10; $15.00 per 100.**

Dewberries.

Lucretia—(Creeping Blackberry)

Fruit very large, superb quality. **Each, 25c; dozen, $2.25; fty, $6.00; hundred, $10.00.**

NOTE:- Loganberries can be furnished at 30c each, $3.00 per dozen; $17.50 per hundred.

CURRANTS

Except where noted, large 2-year-old roots, 35c each; 12 for $3.50; $20.00 per 100.

Fay's Prolific—Fruit large, bright red and good flavor.

Perfection—Large, bright red; most popular new variety. **Each, 40c; dozen, $4.00; hundred, $25.00.**

Utah Black (Native)—Black, rich, fine jelly.

GOOSEBERRIES

Price—2-year-old strong plants, 35c each; $3.50 per doz.; $20.00 per 100, charges postpaid.

Houghton—Pale red; very productive.

Smith's Improved—The best red.

Snyder—Hardy, vigorous, productive.

Ward—Sweet and melting.

RASPBERRIES

Price, except where noted—25c each; $1.50 per doz.; $10.00 per 100.

Cuthbert—The best late red.

Louden—Large, rich, dark crimson.

St. Regis(Everbearing)—Large, deep red. **30c each; $2.50 per dozen; $15.00 per hundred.**

®**Gregg**—A good all-round black-cap. **Same price as St. Regis.**

STRAWBERRIES

All our plants are put up uniformly in bunches of 25 plants. The number ordered always should be 25, 50, 75, 100 plants, and so on up to whatever number you desire. Plants will be in bunches of 25 whether you order 100 of 100,000.

Write for quantity prices.

Superb (Everbearing)—The best and most profitable of the Everbearing sorts; yields good crops in June on the same plants that produced fruit the previous fall. Each berry is of good shape and ripens all over at once. **Price: 25 plants, $1.00; 50 plants, $1.75; 100 plants, $3.00, charges prepaid.**

Clyde—Early. The most productive veriety yet introduced. Immense size. The berries are large, bright scarlet color with pink flesh of mild and pleasant flavor.

Marshall—Midseason. As a large berry for home use it is peerless. The color is a rich, glossy crimson that everyone admires; the quality is above the average.

Price: 25 plants, 75c; 50 plants, $1.25; 100 plants, $2.00; 1,000 plants, $12.00.

POULTRY SUPPLIES

P.-W's Chick Manna

Conceded by all users to be the leading balanced ration of pure grains, seeds, etc., of the market today. It is truly "Health Insurance" to the baby chicks.

This splendid preparation is made according to the best formula that science and experience has discovered to date. During the last few years we manufactured and distributed throughout the Intermountain region more than a million pounds of P.-W.'s Chich Manna, and we have yet to receive the first compliant.

Put up in our own printed bags. Four lb. for 25c; twenty-five lb. $1.00; 100 lb. market price.

How to Feed Baby Chicks. They should be fed nothing until they are 24 hours old. Keep them good and warm is all that is necessary. Baby Chicks are hungry all the time, and have to be fed every few hours. Scatter about a pint of P.-W.'s Chick Manna on the floor among an inch or two of alfalfa meal for 50 chicks. Only feed as much at a time as they eat up clean, and do not over-feed. Keep clean, fresh water before them all the time.

Blatchford's Milk Mash and Pratt's Baby Chick Food are excellent chick starters and should be fed the first few days. **See Page 55.**

Alfalfa Meal in original sacks of 100 lb. at **market price; write for prices.**

P.-W.'s Developing Food and Pigeons Mixture. Just the food for chicks when they are two months old—after they have grown too large to be few P.-W.'s Chick Manna. **4 lb. for 25c; 25 lb. for $1.00; 100 lb. market price.**

Poultry Charcoal is indispensable in successful raising; an efficient aid in arresting bowel trouble; it greatly assists in proper digestion and promotes health of poultry at all ages. Two sizes, **Fine and Coarse. Price either size: 3 lb. 25c; 50 lb. $2.25; 100 lb. $4.50.**

Ground Oil Cake—is a great milk and butter producer; a most economical cattle food. To poultrymen it is likewise of value in keeping fowls in good health. Price flunctuates. **Present Prices: 1 lb. 10c; 25 lb. $1.25; 50 lb. $2.25; 100 lb. $4.00.**

Mammoth Russian Sunflower Seed—Splendid for parrots.. and.. poultry. **20c per lb.; 2 lb. 35c.**

Swift's Meat Scraps (High Protein)—It is hard to estimate the great value of meat scraps for growing chicks or laying hens. **3 lb., 25c; 25 lb., $1.50; 50 lb., $2.75; 100 lb., $5.25.**

Economy Hen Food—A balanced scratch ration of pure whole grains. **100 lb., market price.**

Ground Bone—As an egg producer, bone is invaluable. **1 lb., 10c; 50 lb., $2.50; 100 lb., $4.75.**

Granite Grit—Is absolutely necessary to supply the fowls with plenty of good, clean grit. Fine, for small chicks; medium, for half-grown fowls; coarse for turkeys, etc. All sizes the same price. **8 lb., 25c; 50 lb., $1.00; 100 lb., $1.75.**

Flax Seed Meal—One tablespoonful in a mash to each dozen fowls, daily is a great help during the moulting season. **Present Prices, 1 lb. 15c; 10 lb. $1.00; 25 lb. $2.00; 100 lb. $7.00. Write for prices of quantities.**

Milkoline—(For Both Hogs and Poultry), is a pure, condensed, modified buttermilk to which has been added a sufficient amount of vegetable oil to form a proper balance of carbohydrates and protein. It is further acidified to aid digestion and eliminate harmful disease germs and dead matter from the organs. **Price: 40c per quart; $1.25 per gallon. Write for prices in barrel lots.**

Oyster Shell (Crushed)—Most important article of food; always keep fowls liberally supplied. **8 lb. 25c; 50 lb. $1.00; 100 lb. $1.75.**

Surelay—contains shorts, middlings, flour, corn grits, bone meal, meat scraps, fish and whale meal, soy bean meal, linseed oil cake meal, cotton-seed meal, cocoanut meal, and breakfast rolled oats, all thorouhly mixed in the right proportions for laying hen to operate their egg factories to the highest point of efficiency. **Market Price. Write for Prices.**

P.-W.'s FOODS MAKE 'EM HAPPY

Above prices are for Salt Lake City. If by mail add postage. Write for Current Poultry List for Special Prices, Market Changes.

NEST EGGS

Lice Killing Nest Eggs.

Contains a powerful disinfectant which is guaranteed to expel lice and vermin. Put up in boxes of one dozen each, at **75c per dozen.** Weight, 2 pounds per dozen.

Porcelain Nest Eggs.

We handle only the best grade of glass eggs, strong and durable.

Price, ...Each, 5c; dozen, 60c;
Weight, ¼-pound per dozen.

Blatchford's Calf Meal

First on the Market—First in Quality—First in Results

BLATCHFORD'S Calf Meal is the *original* milk-substitute. It was the *first* on the market. For over a third of a century it has been successfully used in raising calves by progressive farmers and dairymen in this country. It is the *only* calf meal backed by so remarkable a record.

Its success is due to three things. *First*—its *quality*. Blatchford's is above all a *quality* calf meal. Only the best materials are used in its manufacture. It contains no waste materials or by-products of low feeding value. *Second*—it contains all the nutritive and growth-producing properties required by the calf. The finest and healthiest of calves can be raised upon it. *Third*—it is economical. One pound makes a full gallon of pure milk-substitute and it can be used at *less than half the cost* of using milk.

Blatchford's Calf Meal raises calves from babyhood. It is extremely palatable. It is easy to feed. It saves both milk and money. It will *pay* you to use it.

Sold in 100-, 50- and 25-pound bags.
Satisfaction guaranteed with every bag.

Blatchford's Chick Mash

(formerly known as Blatchford's Milk Mash)

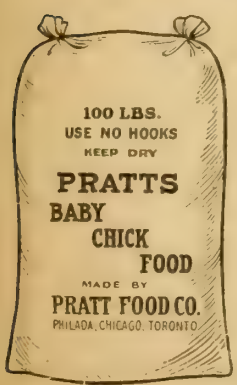
BLATCHFORD'S Chick Mash is the favored starting and growing feed of the most prominent poultry-raisers in the country. It contains all the feeds and nutriment chicks need *right from the start.* It shields them from white diarrhea, bowel trouble and leg weakness.

This mash is neither a tonic nor a medicine but a nutritious, wholesome, palatable body-builder. It promotes health, vitality and growth by building up sturdy, disease-resistant frames. It does not force, but by supplying proper nourishment to each and every part of the body it promotes steady and complete development in the shortest possible time.

Blatchford's Chick Mash contains no screenings, hulls or cheap by-products from the manufacture of breakfast foods, cereal foods or scratch grains. It carries chicks *all the way*—starts, grows and matures—*without change of feed.*

Blatchford's Chick Mash. Price: 10 lb, 70c; 25 lb., $1.60; 100 lb., $6.00.
Blatchford's Calf Meal. Price: 25 lb., $1.75; 50 lb., $3.35; 100 lb., $6.50.
Blatchford's Pig Meal. Price: 25 lb., $1.50; 50 lb., $2.50; 100 lb., $5.00.

PRATTS BABY CHICK FOOD



When baby chicks come, keep them healthy and growing and bring even the weak ones along by feeding **PRATT'S BABY CHICK FOOD.**

A largely predigested baby food for baby chicks. Guaranteed to raise every livable chick. Prevents leg weakness, white diarrhoea, "pasting up" and other chick diseases.

Using Pratt's Baby Chick Food means Life Insurance for the baby chicks for the critical first three weeks' period, at a very small outlay and guaranteed to give the little fellows a splendid start which will prove the foundation for a healthy career.

Price: 2½ lb., 30c; 6½ lb., 60c; 14-lb. sack, $1.00; 25-lb. sack, $1.75; 50-lb., $3.25; 100 lb., $6.25.

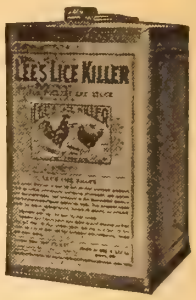
See preceding page for P.-W.'s Chick Manna, the perfect scratch food for the baby chicks.

CONKEY'S BABY CHICK MASH can be furnished at same price as Pratt's.

Prices on all Poultry Feeds fluctuate greatly. Quantity buyers please write for our current "Poultry List." Handling, as we do, in carload lots direct from manufacturer or grower, we can save you money.

LEE'S REMEDIES, LICE KILLERS, ETC.

The genuine merit of the Lee foods and remedies is their best guarantee, and you can depend upon them absolutely to do all that is claimed for them. The valuable booklets of the Lee Company are free to poultry-keepers, and contain the most reliable and complete information to date on all poultry problems. We mail them on request.



Lee's Lice Killer—for 17 Years the Standard

Destroys either by vapor or contact. No trouble to apply; just paint the roosts or wall at night. Rids poultry and houses of all vermin; is prepared exclusively for this purpose, and there is nothing just as good. **Price: Qt., 60c; ½-gal., 90c; 1-gal., $1.50. Shipping weight: Quarts, 4lb.; ½-gal., 8lb.; gallons, 15lb.**

Lee's Germozone—for Poultry

Never fails to cure Bowel Complaints, Cholera, Roup, Colds, etc. Don't be without it. **Price: Liquid, 5-oz. bottle, 40c; liquid, 12-oz. bottle, 75c; 32-oz., $1.50. We do not ship the liquid by mail. But furnish tablets at same price, postpaid.**

Lee's Best Conditioner Stock Food

Promotes good health, digestion and assimilation. **Put up in 50c and $1.50 packages; 25-lb. pails, net shipping weight 30lb., $4.50.**

Lee's White Diarrhoea Remedy

The best medicine for this dangerous disease of little chicks. **12-oz. bottle, 50c. If by mail add 10c extra for postage.**

Lee's Egg Maker

Is not a tonic nor a medicine, but a meat food of great value. It will make hens lay, chicks grow, and keep them all in a healthy condition. **2½ lb. pkg., 50c; 5lb. pkg., $1.00; 12lb. pail, $2.25; 25lb. pail, $4.25.** Shipping weight 30lb.

Lee's Louse Powder

For direct application to body of fowl. **1¼ lb. can, 30c, mailing weight, 2 pounds; 3lb. package, 60c, mailing weight, 4 pounds.**

Egg-O-Latum

Keeps fresh gegs for one year. Simply rubbed on, it seals the egg tight and is air, moisture, odor and germ proof. Eggs put down in August, September or October are as fresh in January, February or March as when first laid and are worth double the price. Anticipate winter needs now. Coat the palms of your hands with Egg-o-latum and then roll and rub the eggs in your hands. You can do a dozen per minute. **50c per jar—enough for 50 dozen eggs. Add 10c per jar if by mail.**

PRATT'S POULTRY SUPPLIES

One of the Old Reliable Poultry Supply Lines the Manufacturer Guarantees

Cure your sick poultry by using PRATT'S POULTRY REMEDIES.
Guaranteed to cure, or your money refunded.

If poultry keepers would regularly spray the chicken houses, roosts, dropping boards and utensils with **PRATT'S POULTRY DISINFECTANT** most all their trouble would vanish. This great disinfectant is a real wonder-worker in the poultry yard.

Three times as powerful as crude carbolic. A sure deodorizer, germicide, and liquid lice killer. Use it for roup, colds and other contagious diseases. **Price: $2.00 per gallon; ½ gal., $1.25; quart, 70c.**

Healthy birds and lot of eggs, the two big things in poultry raising, are made certain by giving **PRATT'S POULTRY REGULATOR. 25lb. pail $3.60; 12lb. pail, $1.85; packages, 30c, 65c and $1.30.**

It builds up vitality, insures sound digestion, sharpens appetite and prevents disease.

Pratt's White Diarrhoea Remedy .....**50c and 25c**

Pratt's Powdered Lice Killer .....**60c and 30c**

Pratt's Roup Remedy Tablest or Powder for .....**50c and 25c**

Pratt's Animal Regulator

More work out of your horses. More milk from your cows, fatter hogs.

Always sold on a guarantee that it will satisfy you or money back. **25lb. pails, $4.30. Shipping weight, 30lb. 12lb. pails, $2.55, are popular with our customers. Packages at $1.30, 65c and 30c. Get prices on 50lb, and 100lb. sacks.**

If by mail on any above, except where quoted Postpaid, add postage according to zone rates, see Page 1.

SNELL'S MAGIC BLOAT AND COLIC CURE

Gives Instant Relief to Alfalfa or Clover Bloat in Cattle or Sheep and for Horse Colic It Has No Equal.

It is positively guaranteed to get the results claimed. All livestock owners should have a bottle ready for use as such needs permit of no delay in applying remedy.

DIRECTIONS—Cattle Bloat—Three-fourths table spoonful in one pint of water for ordinary cases. Horse Colic—One teaspoonful in pint of water. Sheep Bloat—Half teaspoonful in half pint of water. Keep well corked in cool place.

Sold only in $1.00 bottles. If by mail, add 15c extra for postage.

BIRD SUPPLIES AND CANARY BIRDS

CANARY BIRDS

We have on hand and for sale at all times a choice lot of Canary Birds, Hartz Mountain Rollers, etc., guaranteed singers, priced at from $10.00 to $25.00 each, delivered to your station. Also a choice lot of females priced at from $3.00 to $5.00.

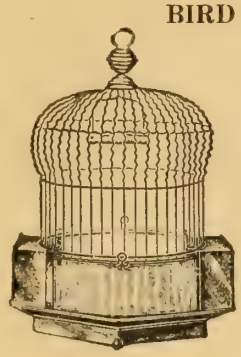
We carry a large stock of Gold Fish and Supplies, which can be forwarded by Express. Write for our prices.

Philadelphia Bird Manna—The great song restorer. **Per cake, 20c, postpaid.**

P.-W.'s Mixed Canary Bird Seed—Contains only pure, wholesome seeds in just the right proportion to promote health, vigor and song. **One-pound carton 30c, postpaid.**

Cuttle Bone—Large Bone	Postpaid	5c Each
Bird Tonic	Postpaid	30c Each
Song Restorer	Postpaid	30c Each
Powder Guns	Postpaid	20c Each
Lice Powder	Postpaid	30c Each
Mexican Salve	Postpaid	30c Each
Wire Bird Nests	Postpaid	25c Each
Bird Nesting	Postpaid	20c Each
Nestling Food, for moulting	Postpaid	35c Each

BIRD CAGES



Brass Cages—Splendid assortment of sizes and styles. The prices range from **$5.00 to $11.00 each.**

Japanned Cages—In assorted styles and sizes. Prices range from **$2.50 to $7.50 each.**

Traveling Cages — $1.00 each.

Breeding Cages—Assorted sizes. Prices from **$5.50 to $7.50 each.**

BUCKEYE INCUBATORS AND BROODERS

Buckeye Incubators are guaranteed by the manufacturer to hatch every hatchable egg—and Buckeye Brooders are highly rated for effectiveness by the leading poultrymen of America. A limited stock is carried in Salt Lake City. In ordering, therefore, please allow ample time to permit of shipment direct from the factory if necessary.

Buckeye Standard 175-Egg Size

Note:- Special descriptive booklet on both Buckeye Incubators and Brooders will be sent free on request.

BUCKEYE INCUBATORS

No.	C'td. Wt. Lbs.	Capacity	Each
14—Style E	55	65 egg	$ 18.00
16—Style E	85	120 egg	30.75
17—Style E	125	210 egg	40.50
1—Standard	110	120 egg	41.00
2—Standard	135	175 egg	48.25
3—Standard	200	250 egg	62.50
4—Standard	230	350 egg	73.75
5—St'd. Mam'th	323	600 egg	116.00

BUCKEYE BROODERS

No.	Capacity	Each
20—Metal Brooder	60 chicks	$12.50
21—Metal Brooder	100 chicks	16.25
22—Metal Brooder	150 chicks	20.00
18—Standard Stove	500 chicks	23.75
19—Standard Stove	1000 chicks	29.50
25—Standard Stove		34.00
10—Blue Flame		18.75
11—Blue Flame		22.25
12—Blue Flame		24.75

Above prices are Delivered to Your Railway Station.

QUEEN INCUBATORS

Stop hatching weak chicks with cheap incubators. A ueen costs but little more, and the extra chicks that live and grow soon pay the difference.

Prices, Delivered to Your Railway Station:

Regular Style

No.	C'td. Wt. Lbs.	Capacity	Each
1	72	85 egg	$ 29.50
2	87	135 egg	39.75
3	98	180 egg	47.00
4	138	275 egg	61.25
5	171	400 egg	72.50
25	238	600 egg	109.00
35		800 egg	140.00
45		1000 egg	167.00

Style K

No.	C'td. Wt. Lbs.	Capacity	Each
20	46	70 egg	$ 17.50
21	70	130 egg	29.50
22	100	220 egg	39.25

NOTE—Special Descriptive Booklet on both Queen Incubators and Brooders sent free on request. Our stock of Queen Incubators is limited at Salt Lake City. Order early enough to permit of shipment from factory if necessary.

QUEEN BROODER STOVES

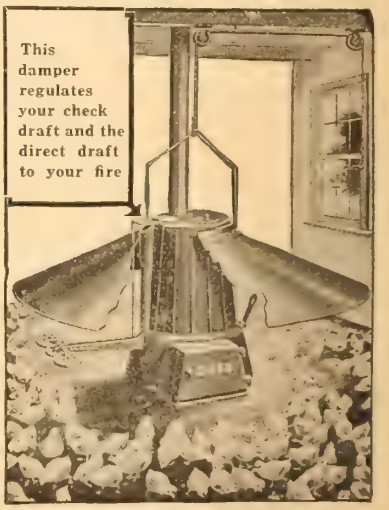
Broods 'em Better and Cheaper than "Old Mother Hen"

The Queen Colony Brooder is a new and improved design of brooder stove. It is made of highest quality iron castings that will wear and last indefinitely.

There are no drafts on the smoke pipe of the Queen. The check rests on top of the stove and opens outward when fire is to warm, thus giving a gentle flow of air to retard the heat. While the opening of the draft to increase the fire is located at the top of the stove it opens into the fire at the base through an opening extending down the side to the bottom. This feeds the draft into the fire from underneath with no opening below the hover. The heat is automatically regulated.

The Queen stove burns any kind of fuel with equally satisfactory results. We recommend chestnut sizes in all kinds of fuel and hard or soft coal, coke, charcoal or briquettes burn equally well. Of course, hard coal will not cause the pipe to become dirty as quickly as the others, but it will give no better heat.

The Queen is unquestionably the leading coal burning brooder stove on the market. We stock them in carload lots at our Salt Lake warehouses; prices quoted are f. o. b. your station.



Queen Brooder Stove No. 1—Capacity 600 chicks; delivered, price $23.75
Queen Brooder Stove No. 2—Capacity 1200 chicks; delivered, price 29.50

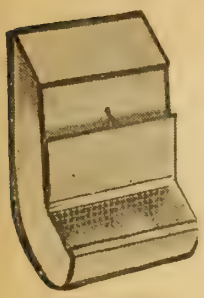
HALL'S ELECTRIC METAL BROODER

Very efficient, yet simple of operation, trouble and fire proof. Heated by an electric bulb. Diameter of hover, 24 inches; capacity, 150 chicks. Price, prepaid $16.00

QUEEN BROODER STOVES

have proved to be the most popular of any among the poultrymen in the mountain states, where soft coal is generally used as the fuel. The special feature distinguishing the Queen Stoves from others is the air draft construction, which prevents clogging and sooting up of the smoke pipe. Use Queen Brooder Stoves and be happy.

FEEDERS AND RACKS FOR POULTRY

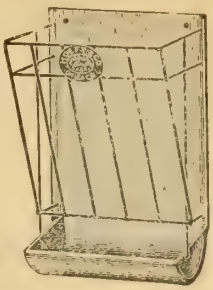


Dry Mash Hopper

Dry Mash Hopper.

The curved bottom of the Hopper keeps the feed within easy reach of the birds. The gradual enlargement from the top to base prevents clogging. The wire grid and the wires running from the flange through the wire grid prevent any chance of the fowls throwing out or wasting any of the feed. The sloping cover prevents the birds from roosting on the Hopper, and when both covers are closed, it is rat and mouse proof. A trial will convince you that it is a Hopper of the greatest merit. Maunfactured of heavy galvanized iron in three sizes.

No. 35—8½ in. wide, weight 5 lb. Each **$1.80**
No. 36—12 in. wide, weight 6 lb. Each **$2.35**
No. 37—24 in. wide, weight 12 lb. Each **$3.25**



No. 44 Vegetable Rack

Star Mason Jar Feeder.

Will fit pint, quart, or half gallon Mason Jar. Convenient, cheap, sanitary. Can be used for feed as well as water. One size only, **15c each, Postpaid.** **(See cut on Page 60).**

Poultry Vegetable Rack.

Manufactured from galvanized iron and wire. For feeding Roots, Beets, Cabbage, Sprouted Oats, etc. A big time and feed saver. Every breeder needs one or more.

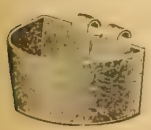
No. 44—Weight 2 lb. Price, each ..... **$ .90**

Round Feeder No. 11

Round Baby Chick Feeders.

Pure food for the baby chicks. A great feed saver, as the little chicks connot get into it and contaminate the feed. Cannot be upset. Can also be used for water or milk. This is a practical, well made feeding device that will last for years. Manufactured in two sizes.

No. 11—6 inches in diameter, 8 feeding holes, weight ½ lb. Each **30c**
No. 12—8¼ inches in diameter, 12 feeding holes, weight 1 lb. Each ..... **.40**



Water and Feed Cups for Exhibition Coops.

Holds about one pint and hangs straight when applied to the coop. Can be attached to any exhibition coop. One size only.

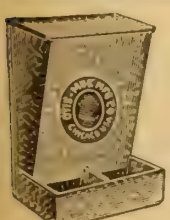
No. 61—Shipping weight, ½ lb., each **25c**

McCandlish Model Chick Feeder.

It is practically indestructible, made entirely of metal, making it absolutely sanitary, and waste of feed is impossible.

It is easy to fill and to clean and also answers for a drinkin fountain when the ends are soldered at an extra cost of about 10c.

Length 12 in.; weight 8 oz. Each ..... **.40**
Length 20 in.; weight 12 oz. Each ..... **.50**
Length 30 in.; weight 16 oz. Each ..... **.75**



No. 45—Two Compartment Square Bottom

Grit and Shell Boxes.

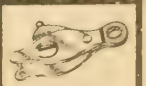
Grit, shell and charcoal can not be more economically supplied than in one of our inexpensive compartment boxes. Can also be used as a feed hopper for little chicks. Made of heavy galvanized iron in three sizes:

No. 45—For baby chicks, 2 compartments, weight 1 lb. each ..... **.50**
No. 9—For grown birds, 3 compartments, weight 3 lb. each **$1.15**
No. 90—For grown birds, 4 compartments; weight 4lb. Each **$1.50**

MOE'S CLIP AND PUNCH

AS A POULTRY PUNCH

Does not bruise; punches a clean hole.
One Size Only.....30
Postpaid



AS A CIGAR CLIPPER

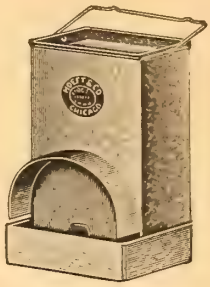
Don't delay. Feed is money. Get a Food Saving Hopper and stop the waste.

On all items not quoted Postpaid, see page 1 for amount to remit for postage if by Parcel Post.

DRINK FOUNTAINS FOR POULTRY

Bottom Fill Fountain

Mason Jar Fount



Wall Fountain, No. 41

Non-Freeze Fountain

Bottom Fill Fountain.

A general utility fountain at a low price. Made in two pieces. Easily cleaned and owing to shape will not burst from freezing. Made of best grade of galvanized iron, in three sizes.

No. 19—About 1-qt. cap., wt. ¾ lb., each....$ .45
No. 20—About ½-gal. cap., wt. 1 lb., each.... .60
No. 24—About 1-gal. cap., wt. 2 lb., each.... .75

Drop Bottom Wall Fountain.

Manufactured from galvanized iron. May be hung up on the wall out of the dirt and litter. Easy to fill and easy to clean. May be used for chicks, fowls or pigeons. Three sizes.

No. 40—2-qt., wt. 2 lb., each $1.00
No. 41—1-gal., wt. 3 lb., each 1.30
No. 42—2-gal., wt. 6 lb., each 1.50

Mason Jar combination feeder and drinking fountain, see Page 59 for price.

Non-Freeze Drinking Fountains.

These fountains are constructed like Thermos Bottles, so thoroughly insulated that even at zero and below the water is protected from freezing and in hot weather the water remains cool for a long time.

Two-gallon size, each $4.50
Three-gallon size, each 5.25
Five-gallon size, each 6.50

Lamp for Sanitary Fountain

Sanitary Chicken Fountain.

So constructed that drinking water is kept clean and pure. The fountain is in two pieces and can be very easily cleaned. **No. 1, 1½-gallon size, each $1.50; No. 2, 3½-gallon size, each $2.50.**

Sanitary Fountain Lamp.

This special lamp fits either the No. 1 or No. 2 fountain and prevents the water from freezing in winter. It holds one gallon of coal oil. **Price, each $2.00.**

LEG BANDS

Spiral Key Ring Leg Bands

These are made of celluloid and in six different colors, black, red, green, yellow, cerise and dark blue. They can be taken off and put on very quickly and easily and will last a life-time. Birds cannot lose or remove them. They are made in sizes for every breed of poultry, pigeons and baby chicks. Please state breed when ordering. **Prices of the four poultry sizes: 12 bands, 25c; 25 bands, 40c; 50 bands, 65c; 100 bands, $1.00. Pigeon and day-old chick sizes: 12 bands, 15c; 25 bands, 30c; 50 bands, 50c; 100 bands, 75c, postpaid.**

Double Clinch.

A new band, very safe; no exposed corners, ends or loops; have double fasteners. **Price, 12 bands, 20c; 25 bands, 35c; 50 bands, 60c; 100 bands, 95c, postpaid.**

Champion—Adjustable

Best adjustable leg band. Has neat, compact and smooth fastening, with no catching points; easily attached and absolutely secure. **Prices, 12 for 20c; 25 for 35c; 50 for 60c; 100 for 95c.**

Smith's Sealed.

Of aluminum and so constructed that by simply crushing a soft rivet they are sealed on the bird's leg, and must be destroyed to be removed. **Prices, 12 for 35c; 25 for 65c; 50 for $1.15; 100 for $1.75, postpaid. Plain sealers, 75c each.**

MISCELLANEOUS SUPPLIES

Paper Egg Boxes.

Intended for use in delivering eggs to private families. If you have a "select" egg trade, you should use these boxes.

Made in two shapes and the following grades. All styles made of extra heavy cardboard and will carry eggs safely. Shipping weight 2 lb. per dozen.

Standard—3x4 Doz. 20c; 100, $1.25; 250, $2.50.
Standard—2x6 Doz. 25c; 100, $1.50; 250, $3.00.
Extra Heavy—2x6 Doz. 30c; 100, $1.75; 250, $3.75.

Cyclone Seed Sower.

A good large sower that meets the most exacting demands. Hangs by a strap over shoulders of operator. Hopper-sack has a capacity of ½ bushel. Broadcasts evenly all varieties of grain and grasses. Weight 4 lb. **Price: $2.25 each.**

"Little Giant Horn" Sower Price $1.50 each.

"Happy Thought"

Pruning Shears.

These shears are made of the best material that can be produced for the purpose. The blades are of high carbon crucible steel, tempered in lead and drawn in oil.

Rose Shears — The handiest implement for pruning roses, shrubs and small trees; easily operated with one hand. **Price each $1.75.**

Happy Thought — Constructed with long handle especially adapted for fruit and ornamental trees (see cut). **Price, each $3.00.**

Garden Tools.

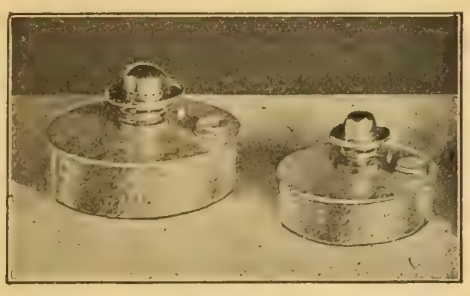
Made of heavy presseed steel all in one piece and practically indestructible.
Five Fingered Weeder—Each 30c
Transplanting Trowel—Each 30c
Garden Trowel Each 30c
Set of Three—One each of above—80c
Shipping Weight, 2 pounds.

Thermometers.

Our thermometers are thoroughly testsd and accurate.

Thermometer—for Incubator	**$1.25**
Thermometer—for Brooder	**1.00**
Tycos Hygrometer	**2.50**

Incubator and Brooder Lamps, Etc.



Lamp Bowls, large (6x4)	2.00
Lamp Bowls, 6x2 9-16, complete with either No. 2 or No. 3 burner	1.75
Lamp Bowls, No. 3 ring, no burner	1.25
Lamp Bowls, No. 2 ring, no burner	1.10
Burners, complete, 1 ½ inch wick, 3 ½ flue ring	.90
Wicks, No. 2 or No. 3, per doz.	.60
Brooder Stove Wafers	$1.25
Regulators, complete	3.50

National Cream Separator

When You Buy a Separator

You want the one that skims the closest, summer or winter; that will handle milk from "stripper" cows; that will produce cream of any desired density.

A durable machine that will give everlasting satisfaction and service, at the minimum cost of up-keep; a separator that is mechanically perfect, having the fewest parts, the greatest capacity for its size, the quickest, cleanest and easiest running.

The National Is the Only Separator

That combines all the above and for 22 years has stood the test of time, maintaining its position against all competitors—**and many of these first National Separators are in daily use after 20 years of service.**

A child can clean it in three minutes without risk of breaking or harming it.

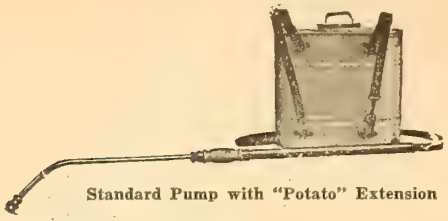
Prices

The National Separators are made in the following sizes, and all prices are f. o. b. Salt Lake.

	Hourly Capacity Pounds	Cows	Shipping Weight Pounds	Price
National No. 22	**325**	**3 to 8**	**160**	**$60.00**
National No. 24	**500**	**6 to 14**	**165**	**70.00**
National No. 28	**600**	**12 to 30**	**172**	**80.00**
National No. 28	**800**	**20 to 50**	**190**	**100.00**

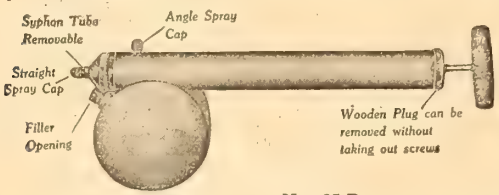
SPRAY PUMPS AND ACCESSORIES

STANDARD SPRAY PUMP



Standard Pump with "Potato" Extension

As used with bucket, knapsack, tank or barrel for spraying orchards, gardens, vineyards, white-washing, disinfecting chicken houses, killing vermin on stock. Made entirely of brass. Nothing to get out of order. **For pump and nozzles, price $6.00; weight 3½ lb. For knapsack, price, $3.50; weight, 5½ lb. Extension rod, price $1.75.**


Syphon Tube Removable
Angle Spray Cap
Straight Spray Cap
Filler Opening
Wooden Plug can be removed without taking out screws

No. 25-B

Continuous Atomizer.

Auto Spray No. 25-B

This operates continuously on both up and down stroke and throws a fine misty spray. It will handle all solutions, insecticides and disinfectants used in kitchen-garden, the greenhouse, rose-garden or poultry house. Weight 2 pounds. **Price, 1-quart size, each $1.00.**

Auto Spray No. 1

Compressed Air Sprayer—Auto Spray No. 1.

This is the strongest and most simple in its working parts of any compressed air sprayer. Two pumpings of about fifteen strokes on the plunger will discharge the contents under high and constant pressure. It is equipped with a patented, non-clogging nozzle. It consists of a solution tank holding about four gallons, made of galvanized steel. Weight, empty for shipment, 15 pounds. **No. 1-D, Galvanized Tank, Auto-pop, $8.25.**

Junior Compressed Air Sprayer.

This is a very popular sprayer for poultry houses and small gardens. It is similar in appearance and operation to Auto Spray No. 1, but instead of a hose it has an adjustable arm so that spray can be directed in any direction desired. Brass nozzle with automatic shut-off. Can be operated with one hand. Capacity, 1½ gallons; weight, 6¼ pounds. **Price, each $4.00.**

Erado—It Kills Weeds.

This device does away with the old back-breaking method of digging dandelions and weeds of all kinds by hand. All that is necessary to do is to push the plunger into the center of the plant and the weed-killing solution automatically runs down into the roots. A weed treated in this manner can never spring up again. Gasoline or iron sulphate can be used. **Price, $1.00.**

Auto Spray No. 6 Bucket Pump

Auto Spray No. 6—Bucket Pump.

White-wash and general purpose sprayer. Practically indestructible. Brass ball valves, heavy brass air chamber and pump cylinder. Malleable castings, legs clear 12 inches and fit over bucket. It is equipped with strong 1-inch discharge hose, three feet long. Shipping weight, 8 lb. **Price, $6.00.**

Bucket Pump No. 327.

Similar to Auto Spray No. 6, made of a little lighter material. but strong enough for most purposes. **Price, each $4.00.**

P.-W.'s Handy Sprayer.

We recommend this handy little sprayer to the poultryman for spraying disinfectant, lice spray, etc. It is well made of bright tin, and with reasonable care will last a long time. The reservoir holds a quart. Wt., 1 lb. **Price, each 50c.**

"P-W's Handy"

Hand Duster

Hand Duster.

Arsenate of lead and other powders for dusting application are best applied with this new Hand Duster, which is a mechanically perfect apparatus, emitting powders in clouds of right consistency from any position and in any direction. **Price, each $2.00.**

PEST AND DISEASE KILLERS

Poisons Are Not Admitted to the Mails, so are shipped by Express or Freight only. On all other items not quoted at Postpaid prices, see page 1 for amount to remit for postage.

SCALECIDE

The "Certain Death" to scale insects and destroys Brown Mites and Apple Leaf Roller Eggs and controls Canker Rot, Root Rot, Twig Blight, and many other fungus diseases.

Without question of a doubt, the best Dormant Spray on the market today. Ask for free booklet.

Price: One-quart can, 75c; shipping weight 3 lb.; 1 gallon can, $1.75; shipping weight, 11 lb.; 5 gallon can, $8.00; shipping weight, 50 lb.; 30 gallon barrel, $30.00; shipping weight, 265 lbs.; 50 gallon barrel, $45.00; shipping weight,440 lb.

Arsenate of Lead—The leading insecticide for spring and summer spraying, either commercial or home orchardists and the standard for convenience and efficiency, for application with water or in dry form on fruit trees, potatoes, etc. It kills corn ear worms, currant worms and dozens of others. Must be sent by express or freight.

Price: ½-lb. package, 35c; 1-lb. package, 60c. Write for quantity prices.

Ant Exterminator—A non-poisonous powder, if scattered about their haunts of runs, will kill or drive away ants from lawns, etc. **Boxes, 35c and 65c sizes, Postpaid.**

"Black Leaf 40"—Nicotine Sulphate—40 per cent Nicotine—This is the insecticide that is so highly recommended by Experiment Stations. It destroys Aphis (plant lice) Thrips, Leaf-hoppers on all trees, bush and vine fruit, vegetables, field crops, flowers and shrubs; also Apple Red Bug, Pear Psylla and similar soft-bodied sucking insects—all without injury to foliage.

You cannot go wrong by ordering "Black Leaf 40" for sucking insects. **Prices, 1-oz., 35c; ½-lb. $1.25; 2-lb. $3.75; 10-lb. $15.50;** 1-oz. makes 6 gallons; ½-lb., 40 to 60 gallons.

CARCO BRAND VEGETABLE SPRAY

For ROOT MAGGOTS—Use 1 part of CARCO SPRAY to 75 parts water and spray the ground freely before planting. As soon as the vegetables show, spray again with a solution of 1 part of CARCO to 125 parts of water. Repeat every two or three weeks for a period of six or eight weeks.

For cut worms, grubs and other worms—dilute one partCARCO to 125 parts water and apply freely, preferably in the late afternoon.

Important—Use a coarse spray always.

Write for prices.

Spray-Tabs—Already prepared spray in tablet form for destruction of all leaf eating insects. Full directions with each order. **One carton containing 30 tablets, 30c.**

Lime-Sulphur (Dry Form)—A good remedy for San Jose Scale; also an excellent fungicide. **1 lb. 35c; 5 lb. package $1.50.**

Paris Green—Is the most positive poison there is to be had, containing the highest poison efficiency at a minimum cost.

It is quick-acting, powerful and sure in its deadly work. For fruit trees use 1 ounce to 6 gallons water; 1 lb. to 100 gallons of water.

Price: ¼ lb. 30c; ½ lb. 50c; 1 lb. 90c.

Cow Ease (Fly Driver) Is a liquid preparation from non-poisionous materials, and will not gum the hair or blister the skin. A herd of milch cows sprayed regularly through the fly season will yield on the average of 10 to 20 per cent more milk.

Price: quart 70c, weight 4 lb.; ½ gallon $1.00, weight 8 lb.; gallon $1.75, weight 15 lb.

Dusting Sulphur—The most common fungus diseases that annoy the gardener and orchardist are Early Blight on potatoes, Scab on apples and pears, and Brown Rot on Peaches. Dusting Sulphur is good for all these and can be used by itself or in combination with Arsenate of Lead, mixing the two in equal proportions. **Price: ½ lb. carton, 15c; 1-lb. 25c; 5 lb. $1.00.**

Dry Powdered Fungi-Bordo—Fungi-Bordo, the perfect Bordeaux Mixture Concentrate is a dry powder which you will receive in sift-proof impervious packages. Use eight pounds of Dry Powdered Fungi-Bordo to fifty gallons of water will prove an effective insecticide and fungicide. **1 lb. 60c; 5 lb. $2.50; 10 lb. $4.50; 25 lb. $10.00.**

Tarred Felt Discs—Effective protection against the "root maggot." For young plants when first set and such as cabbage, cauliflower, etc. **Price: 70c per 100 lb., Postpaid. Write for Quantity Prices.**

Tree Tanglefoot—A sticky compound similar to that used in making fly-paper. One pound makes ten lineal feet of band. One application remains sticky for three months. Good protection against all crawling insects and for tree surgery. Superior to anything on the market. **1 lb. package 50c; 3 lb. $1.45; 10 lb. $4.50; 20 lb. $8.75; 25 lb. $10.50.**

Tobacco Dust—When dusted over young plants, it is very efficient in repelling many kinds of bugs and in keeping the foliage from Aphis and Lice. **Price: ½ lb. 15c; 1 lb. 25c; 5 lb. $1.00.**

Formaldehyde—For the prevention of smut on grain; it is easy to apply. One bottle, diluted with 40 to 50 gallons of water is sufficient to treat thoroughly 30 bushels of wheat or barley for smut; 40 bushels of oats for smut; or 60 bushels of flax for wilt. **Sixteen ounce bottle, $1.00**

Whale Oil Soap—Dissolve 2 ounces of soap to 1 gallon of water for all small fruit. For large fruit trees, shade trees, etc., use 3 ounces of soap per gallon. Very effective as a spreader for "Black Leaf 40", Nico-Fume, Liquid, etc.

Price: 35c per pound.

FARMOGERM METHOD

Builds up the Soil and Increases the Yield

This organized standard of seed inoculants insures the growing of bigger crops by making poor soil **good soil. It is always fresh**—the only culture being sold in the bottles with the patent stopper which enables the bacteria to breathe air insuring long life without deterioration.

FARMOGERM is a culture of only high-bred nitrogen-fixing bacteria. It replaces essential elements in the soil in an eective and economical manner.

Farmogerm prices are: **Garden Size, 50c; 1 Acre Size, $1.00; 3 Acre Size, $2.50; 12 Acre Size, $9.00.** Full directions accompany each bottle.

In ordering specify the kind of seed you wish to innoculate.

FERTILIZERS FOR LAWN AND GARDEN

Bone Meal—This is an excellent fertilizer; safe for all plant life, and very effective. Prices: **1lb., 7c; 50lb., $1.90; 100lb., $3.50, not prepaid.**

Wizard—A meritorous fertilizer, saving you time, labor, expense and trouble. Full directions with each order. Prices: 25-lb. bag, $3.00; 2-lb. package, 35c, not prepaid.

"Plant Life" Lawn Special No. 1.

This is a Mixture Especially for the Lawn.

A 25-pound package contains more available plant food (nitrogen, phosphoric acid and potash) than is found in 1,000 pounds of ordinary manure, without the disagreeable features connected with it, and at a lower cost.

One 25-pound bag will cover a space of lawn 30x40 or 1,200 square feet, though larger applications will give increased results.

Prices: 10-oz. carton, 25c: 10-lb., $1.00: 25lb., $2.25; 50lb., $4.00; 100lb., $7.00, not prepaid.

We have special mixtures of "Plant Life" for Sugar Beets, Potatoes, Tomatoes, etc.

Stim-U-Plant.

An All-the-Year Fertilizer for Garden and House Plants

An odorless, highly concentrated plant-food in tablet form, with guaranteed chemical analysis of 11 per cent nitrogen, 12 per cent phosphoric acid, 15 per cent potash. The proportions are accurate, there is no unnecessary filler, and in this form you are able to apply plant-food exactly when and where and as needed.

Order Stim-U-planT tablets with your seed and plant order. **Price: 10 tablets for 15c; 30 tablets for 25c; 100 for 75c; 1,000, $3.50.**

Number of Trees or Plants Per Acre Set at Regular Distances.

Distance apart	No. of Plants	Distance apart	No. of Plants	Distance apart	No. of Plants
1 by 1 foot	43,560	5 by 3 feet	2,904	15 by 15 feet	193
2 by 1 feet	21,780	5 by 4 feet	2,178	16 by 16 feet	170
2 by 2 feet	10,890	5 by 5 feet	1,742	17 by 17 feet	150
3 by 2 feet	7,260	6 by 6 feet	1,200	18 by 18 feet	134
3 by 3 feet	4,840	7 by 7 feet	888	19 by 19 feet	120
4 by 1 foot	10,890	9 by 9 feet	537	20 by 20 feet	108
4 by 2 feet	5,445	10 by 10 feet	435	25 by 25 feet	69
4 by 3 feet	3,630	11 by 11 feet	360	33 by 33 feet	40
4 by 4 feet	2,722	12 by 12 feet	302	40 by 40 feet	27
5 by 1 feet	8,712	13 by 13 feet	257	40 by 50 feet	17
5 by 2 feet	4,356	14 by 14 feet	222	60 by 60 feet	12
				66 by 66 feet	10

Table of Distances for Planting Fruit Trees, Etc.

Apples, Standard, 30 to 40 ft. each way.
Pears, Standard, 20 to 25 ft. each way.
Cherries, 18 to 20 ft. each way.
Plums, 16 to 18 ft. each way.
Peaches, 16 to 18 ft. each way.
Apricots, 16 to 18 ft. each way.
Quinces, 12 ft. each way.
Currants, 3 to 4 ft. each way.
Gooseberries, 3 to 4 ft. each way.
Raspberries, 3 to 4 ft. each way.
Blackberries, 6 to 8 ft. each way.
Strawberries, 1½ to 3 ft. each way.
Grapes, 8 to 10 ft. each way.

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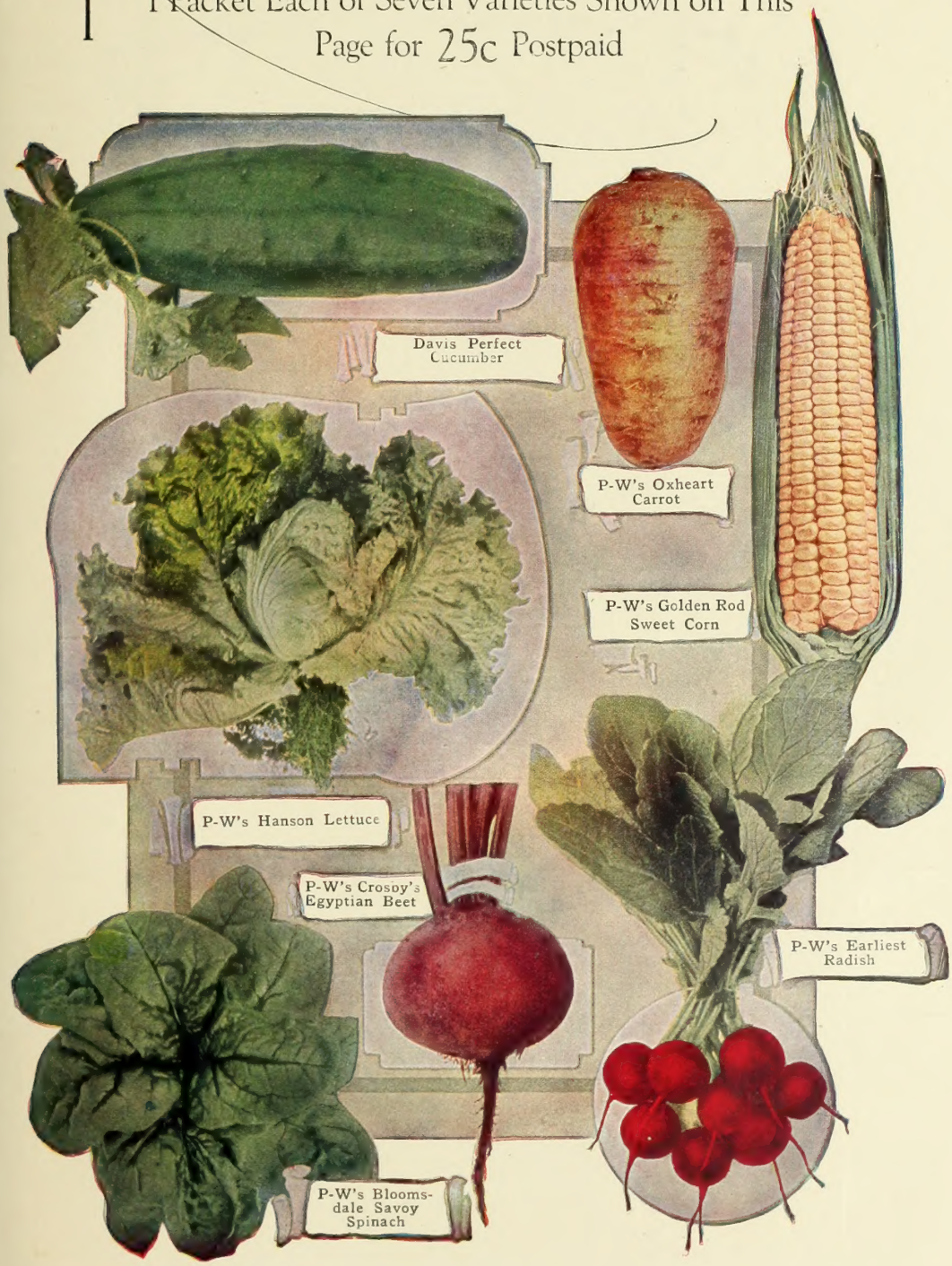
1 Packet Each of Seven Varieties Shown on This Page for 25c Postpaid



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PLANT P-W'S MOUNTAIN GROWN SEEDS & TREES

They're Hardier

Field of two year old Apple Trees at our Centerville Nurseries

Jonathan

A Typical Crop of Jonathan Apples from Mountain Grown Trees

PORTER-WALTON CO.

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